# Attachment D

Construction Data and Chemical Analyses for Public Supply Wells

STRATFORD PUD

#### ORIGINAL File with DWR

176

# ZOZO - 17 THE RESURCES AGENCY

DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In

Nº 148864

State Well No.....

Other Well No.\_\_\_\_

(1) OWNER:				(11) WE	LL LOG	r;						
Name Stratford Public Utility Dist.					Total depth	61.0	fr.	Depth of completed well	580	ft.		
Address	1968	l- Ra	ilroa	d Cali	f.	20,0				e of wateriel, and structure	<i>7</i> 00	
		tford							fı	. to		ft.
(2) LO							0-	-10	sand			
	Cings			Owner's number,	if any		10-	-15	clay			
Township, Ra	inge, and Sec	tion					15-	-20	sand			
Distance from cities, roads, railroads, etc. 2001 S-1001 E. of					20-	.90	clay					
rail road Ave.						90-	120		clay			
(3) TYPE OF WORK (check):						120-	160	clay				
New Well				ditioning [	Descroyin	гП	160-	180	blue	clay	· · · · · · · · · · · · · · · · · · ·	
		-		ire in Item 11	•		180-	230	clay		·	
(4) PRO					(5) EQUI	PMENT:	230-	240	blue	clay		
Domestic					Rotary Re	_	240-	275	clay	<u> </u>	<del></del>	
Irrigation				ther	Cable	ev• kel	275-	285		clay		
Ş V.			_	_	Other	П	285-	290	clay		-	
(6) CA	SING D	NSTALI	LED:			<del></del>	290-			clay		
` '				If	gravel pac	ked	295-		clay			
SINGLE (5		X отна В <b>LE</b> [] —	EK:	]			438-		sand	2		
Sugare ()	. 5002	U					440-		clay		<del></del>	
_			Gige	Diameter			449-		sand	2		
From ft.	íc.	Diam.	or Wall	of Bore	From ft.	To ft.	451-	12-	clay			
0	580	18	1. 1	28	0	610	454-		sand	2		
	200	±4,	12.1 45		<del>  ''</del>	- FIU	456-		clay		1	
	<del>  </del>		<del></del>		+	<del> </del>	505-		sand	6		
Size of shoe o		311777	<del></del>	C'as af a sur	.5/16x1	<u>'</u>	511-		clay	<u> </u>		
		JULLIN	<u> </u>	2 2126 OL ELECE	ו אטד אלייי	-p	530-		sand	35		
Describe join		PIONIC	OB SCI	PERAT.			565-		clay			
<u>(</u> 7) <b>PE</b> F			Lou				<del></del>		O L W.J			
Type of perio	ration or nar	De 01 107660	มูบน	rer.	·-T			<del></del>		<del></del>		
т.	١ .	_	Perf.	Rows		••		ATCO	NEI	MEN		
From fr.	1	To t.	tow. bet	per ft.		iize x in.		1477	<u> </u>	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
400	58		8	41/2		3x2.3/8	<u> </u>					
400		, JO	<u> </u>	45	1/0	1XC_5/10			<del></del>			
	-			<del> </del>	<del></del>							
					<del></del>						<del> </del>	-
	$\dashv$			<del>                                     </del>	<del></del>					<del></del>		
	NOMBII	OTTON		1							<del></del>	
(8) CO											-	
Was a surface					o what depth	400 ft.						
Were any stra				No []	If yes, note	depth of strata	<u> </u>				<del></del>	
From	ft.		ſt.					Aug.	10,76	Completed Aug. 141	76	
From	ft.	10	fr.				Work started				9/0	
Method of se					<del></del>		Į.		TATEMENT	: urisdiction and this rep	net is tene to	the bee
(9) WA					_			viedge and		arranceion non sign filp	to 1141 10	, 001
Depth 15 wh				<del> </del>	ft.		\-\\\	Grabo	w Well	Drilling Co	Tma	
Standing lav					ft.		NAME '		(Person, firm, a	r corporation) (Typed or )	printed)	
Standing leve			developing		it	<del></del>	-	12522	-9th Av			
( - , ,	ELL TI		12k 717	്രമാ .					rd. Cal		<del></del>	
Was pump te			131 illa	f yest by whom				- N	u, vai			
Yield:		ıl./min, with		ft. drawdor		brs.	[SIGNED]		do.	(Vell Driller)	<del>-</del>	
Temperature				el enalysis mad		% <u>□</u>		28848	39	Kan o	, 10	_
Was electric	Was electric log made of well? Yes [ No []. If yes, attach copy						License No			_DatedAUE	5 <u>. 19</u>	19

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORI	ĞINA	۸Ĺ
File	with	DWR

Page 1 of 3

17	K
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ORIGINAL File with DWR	17K	WELL	STATE OF CALIFORNIA COMPLETION	REPORT
Page 1 of 3			Refer to Instruction Pamphle	
Owner's Well No. 773	34		No. 816228	3

Date Work Began 6/13/2005 Ended6/20/2005

Local Permit Agency KINGS COUNTY PLANNING AGENCY
Permit No. W0408-017 Permit Date 6/7/200 \_\_Permit Date 6/7/2005

DWR USE ONLY DO NOT FILL IN						
2015X 12101E-11171						
STATE WELL NO STATION NO.						
LATITUDE LONGITUDE						
APN/TRS/OTHER						

GEOLOGIC LOG			WELL OWNER -
ORIENTAT	ION (V)	VERTICAL HORIZONTAL ANGLE (SPECIFY)	Name STRATFORD PUBLIC UTILITIES
CIGILITIA	( <u>-</u> )	DRILLING	Mailing Address PO BOX 85
DEPTH :		METHOD REVERSE FLUID WATER  DESCRIPTION	STRATFORD CA 93266
Ft. to	Ft.	Describe material, grain, size, color, etc.	CITY STATE ZIP
0	5	TOP SOIL WITH SAND	Address 180' EOF RAILROAD ST & 185' NOF 5TH ST
5	8	SAND	City CA
8	20	GRAY CLAY	County KINGS
20	60	TAN CLAY	
60	150	SOFT BLUE CLAY	APN Book 026 Page 154 Parcel 015  Township 20 S Range 20 E Section 17
150	240	SOFT BROWN CLAY	Latitude Latitude Section 17
240	420	SOFT GRAY CLAY WITH SAND	DEG. MIN. SEC. DEG. MIN. SEC.
420	465	SAND	LOCATION SKETCH ————————————————————————————————————
465	480	GRAY CLAY	NORTH NEW WELL
480	560	SAND	MODIFICATION/REPAIR —— Deepen
560	570	BLUE CLAY WITH SAND STREAK	Other (Specify)
570	660	GRAY BLUE CLAY (CORCORAN)	
660		SAND	DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
720	750	GRAY BLUE CLAY	l ' ' '
750	950	GRAY BLUE CLAY WITH SAND STREAKS	PLANNED USES (∠) WATER SUPPLY
950	1010	SAND	
1010;	1112	GRAY BLUE CLAY WITH SAND AND BRITTLE	S   S   Domestic   Public   Ingation   Industrial
- :		CLAY STREAKS	MONITORING —
1112		SAND	TEST WELL
1142	1190.	GRAY BLUE CLAY	HEAT EXCHANGE
1190	1230	SAND WITH GRAY BLUE CLAY STREAKS	DIRECT PUSH
1230	1250	GRAY BLUE CLAY	INJECTION —
1250		SAND	VAPOR EXTRACTION SPARGING
1270	1305	GRAY BLUE CLAY WITH SAND AND BRITTLE	SOUTH PEMEDIATION
		CLAY STREAKS	Illustrate or Describe Distance of Well from Roads Ruildings
			Fences, Rivers, erc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.  OTHER (SPECIFY)
!			WATER LEVEL & YIELD OF COMPLETED WELL
		,	DEPTH TO FIRST WATER
1	-		DEPTH OF STATIC WATER LEVEL 197 (Ft.) & DATE MEASURED 6/28/2005
		The second secon	
TOTAL DE	PTH OF	BORING 1250 (Feet)	ESTIMATED VIELD • 1000 (GPM) & TEST TYPE
		COMPLETED WELL 1190 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN 58 (Ft.)
LOTALDE	7 111 OF	OOMITEDIED WEED 1100 (FEEL)	May not be representative of a well's long-term yield.

DEPTH	BORE -	BORF - CASING (S) DEPTH					DEPTH	ANNULAR MATERIAL			
FROM SURFACE	HOLE	L TYPE (4)			٠,		FROM SURFACE	<u> </u>		TY	PE
Ft to Ft.	DIA. (Inches)	BLANK SCREEN TO CON. DUCTOR.	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft to Ft.	CE- MENT (Y)	BEN- TONITE ( <u>Y</u> )	FILL (⊻)	FILTER PACK (TYPE/SIZE)
0 500	28		ACCESS TB	2	SCH 40		0 620	1			SAND SLURRY
0 300		1	ASTM-135	16	.312		620 1250		-	<b>√</b>	SRI#8 SAND
300 660	28	1	ASTM-135	16	.375		1				
660 720			DBL MILLSL	16	.375	.060					
720, 780	28/24	<b>V</b>	ASTM-135	12-3/4	.312						
780; 800	24	1	DBL MILLSL	12-3/4	.312	.060					

	· ATTACHMENTS (🗹) —
_	Geologic Log
	Well Construction Diagram
_	Geophysical Log(s)

-	COM FFG(C)	Jiloni lout	marysis	
	Other			_
TACH ADD	TOMAL BUT	ODMATIO	N IEIT EVIET	۰.

CERTIFICATION	STATEMENT -		
the undersigned, certify that this report is complete and accurate to the t	est of my knowledge and belief.		
VAME_EATON DRILLING CO.		1	
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)			
20 W. KENTUCKY AVE.	WOODLAND	CA	95695
ADDRESS / N	CITY	STATE	ZIP
signed Mark Danne	07/14/05		C57 A HIC - 13
WELL DOUGLED AND DESCRIPTION	DATE SIGNED		CETT ICENICE NIL

WELL DRILLERAUTHORIZED REPRESENTATIVE

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

JRIGINAL.						
File	with	DWR				

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

Page 2 of 3 Owner's Well No. 7734

No. 816228

Ended6/20/2005 Date Work Began 6/13/2005

Local Permit Agency KINGS COUNTY PLANNING AGENCY
Permit No. W0408-017 Permit Date 6/7/2009

DWR USE ONLY	DO NOT FILL IN				
STATE WEL	L NO / STATION NO.				
LATITUDE	LONGITUDE				
ADNITREIOTHER					

Darmit Mo	W0408-017 Permit Date 6/7/2005	APN/IRS/C	THER
reimit No.	GEOLOGIC LOG	WELL OWNER -	· · · · · · · · · · · · · · · · · · ·
	(	Name STRATFORD PUBLIC UTILITIES	
ORIENTATION (	/ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)	Mailing Address PO BOX 85	
DEPTH FROM	DRILLING REVERSE FLUID WATER	STRATFORD	CA 93266
SURFACE	DESCRIPTION  Describe material, grain, size, color, etc.	CITY	STATE ZIP
Ft to Ft	5 TOP SOIL WITH SAND	Address 180' EOF RAILROAD ST & 185 NO	F 5TH ST
5:	8 SAND	City CA	
	20 GRAY CLAY	County KINGS	
	60 TAN CLAY		
	50 SOFT BLUE CLAY	APN Book 026 Page 154 Percel 015  Township 20 S Range 20 E Section 17	
	40 SOFT BROWN CLAY		
	20 SOFT GRAY CLAY WITH SAND		DEG. MIN. SEC.
		LOCATION SKETCH	—ACTIVITY (∠) —
	65 SAND	NORTH -	NEW WELL
	80 GRAY CLAY		MODIFICATION/REPAIR  — Deepen
	60 SAND		Other (Specify)
560; 5	70 BLUE CLAY WITH SAND STREAK		
	60 GRAY BLUE CLAY (CORCORAN)		DESTROY (Describe     Procedures and Materials
	20¦SAND		Under "GEOLOGIC LOG")
720 7	50 GRAY BLUE CLAY	Į	PLANNED USES (∠)
	50 GRAY BLUE CLAY WITH SAND STREAKS	<u></u>	WATER SUPPLY Domestic Public
950¦ 10	010¦SAND	WE'S.	Irrigation Industrial
1010¦ 11	12 GRAY BLUE CLAY WITH SAND AND BRITTLE	<u>"</u>	MONITORING
1	CLAY STREAKS	<u> </u>	TEST WELL
	142 SAND		CATHODIC PROTECTION
	190 GRAY BLUE CLAY		HEAT EXCHANGE
1190 12	230 SAND WITH GRAY BLUE CLAY STREAKS		DIRECT PUSH INJECTION
1230 12	250 GRAY BLUE CLAY		VAPOR EXTRACTION
1250 12	270 SAND	1	SPARGING
1270 13	305 GRAY BLUE CLAY WITH SAND AND BRITTLE	SOUTH - SOUTH - Illustrate or Describe Distance of Well from Roads, Buildings,	. REMEDIATION
	CLAY STREAKS	Fences Rivers etc. and attach a map. Use additional paper if	OTHER (SPECIFY)
	1	necessary. PLEASE BE ACCURATE & COMPLETE.	MUN
		WATER LEVEL & YIELD OF COMPL	ETED WELL
	1	DEPTH TO FIRST WATER (Ft) BELOW SURFAC	E
		DEPTH OF STATIC WATER LEVEL 197 (Ft.) & DATE MEASURED	6/28/2005
!		ESTIMATED VIELD * 1000 (GPM) & TEST TYPE	
TOTAL DEPT	OF BORING 1250 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN 58	(Pt.)
TOTAL DEPT	HOF COMPLETED WELL 1190 (Feet)	May not be representative of a well's long-term yiel	— v -/ d
TOTALDERIE	TOF COMEDDIAD WALL 1122 (1999)	1 May not be represendance of a news with the field	

DEPTH CASING (S)								DEPTH FROM SURFACE			ANNULAR MATERIAL						
FROM SUF		BORE - HOLE	T	YPE	( /			WITTONIA!	041105	SLOT SIZE	FROM	SUR	FACE	CE-	BEN-	TY	PE
Ft. to	Ft.	DIA. (Inches)	BLANK	CREE	95 25 25 25 25 25 25 25 25 25 25 25 25 25	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	IF ANY (Inches)	Ft	to	Ft.	(Z) WENT	TONITE	FILL ( <u>/</u> )	FILTER PACK (TYPE/SIZE)
800	900	24	7		-	-	ASTM-135	12-3/4	.312		C	) [	620	✓			SAND SLURRY
9001	920	24	-	7	1		DBL MILLSL	12-3/4	.312	.060	620		1250		[]	_ ✓	SRI#8 SAND
920;	930	24	1		丁		ASTM-135	12-3/4	.312			<u>:</u>					
930;	940	24	1	Γ		Г	SLIP JOINT	12-3/4				;					
940	950	24	1			Τ	ASTM-135	12-3/4	.312	- 000		_i_					
950	<del>-1170</del>	<del>24</del>	T	1	T		DBL MILLSL	12-3/4	.312	.060		1					

ATTACHMENTS (∠)
Geologic Log
— Well Construction Diagram
Geophysical Log(s)
— SoilWater Chemical Analysis
Other
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION			
, the undersigned, certify that this report is complete and accurate to the b	est of my knowledge and belie	ef.	
NAME EATON DRILLING CO.	<del> </del>		
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)	MOODI AND	CA	95695
20 W. KENTUCKY AVE	WOODLAND		73093
ADDRESS OM	CITY	STATE	7 A LIC 1337

긺	GINA	\L	
File	with	DW	R

WELL COMPLETION REPORT

Pamphlet

D 2 of 2	Refer	to Instru	ction
Page 3 of 3		No. §	24
Owner's Well No. 7734			) i

816228

\_, Ended6/20/2005 Date Work Began 6/13/2005 Local Permit Agency KINGS COUNTY PLANNING AGENCY
Permit No. W0408-017
Permit Date 6/7/2000

Permit Date 6/7/2005

DWR USE ONLY - DO NOT FILL IN											
STATE WELL NO./ STATION NO.											
LATITUDE LONGITUDE											
APN/TRS/OTHER											

Permit	NO. 44	GEOLOGIC LOG	WELL OWNER -	
			Name STRATFORD PUBLIC UTILITIES	
ORIENTATIO	ON (≺)	✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)		
		DRILLING REVERSE FLUID WATER	Mailing Address PO BOX 85	CA 93266
DEPTH FI SURFA		DESCRIPTION	STRATFORD	STATE ZIP
Ft. to	FL	Describe material, grain, size, calor, etc.	YELL LOCATION	
0;		TOP SOIL WITH SAND	Address 180' EOF RAILROAD ST & 185 NO	)F 51H 51
5		SAND	City CA	
8		GRAY CLAY	County KINGS	
20		TAN CLAY	APN Book 026 Page 154 Parcel 015	
60		SOFT BLUE CLAY	Township 20 S Range 20 E Section 17	
150	240	SOFT BROWN CLAY	Latitude -	1 1
240	420	SOFT GRAY CLAY WITH SAND	DEG. MIN. SEC. LOCATION SKETCH	DEG. MIN. SEC.
420		SAND	NORTH	→ NEW WELL
465	480	GRAY CLAY		MODIFICATION/REPAIR
480		SAND		Deepen
560	570	BLUE CLAY WITH SAND STREAK		— Other (Specify)
570	660	GRAY BLUE CLAY (CORCORAN)		DESTROY (Describe
660		SAND		DESTROY (Describe     Procedures and Materials     Under "GEOLOGIC LOG")
720	750	GRAY BLUE CLAY		PLANNED USES (∠)
750	950	GRAY BLUE CLAY WITH SAND STREAKS		WATER SUPPLY
950		SAND	TS 15	Domestic Public Industrial
1010	1112	GRAY BLUE CLAY WITH SAND AND BRITTLE	WE'S	MONITORING -
		CLAY STREAKS		TEST WELL
1112	1142	SAND	•	CATHODIC PROTECTION
1142	1190	GRAY BLUE CLAY	]	HEAT EXCHANGE
1190	1230	SAND WITH GRAY BLUE CLAY STREAKS		DIRECT PUSH
1230		GRAY BLUE CLAY		VAPOR EXTRACTION
1250		SAND	7	SPARGING
1270	130	GRAY BLUE CLAY WITH SAND AND BRITTLE	SOUTH  Illustrate or Describe Distance of Well from Roads, Buildings,	REMEDIATION
1270		CLAY STREAKS		OTHER (SPECIFY)
			necessary. PLEASE BE ACCURATE & COMPLETE.  WATER LEVEL & YIELD OF COMPI	
			l l	
			DEPTH TO FIRST WATER (Ft.) BELOW SURFA	
			DEPTH OF STATIC WATER LEVEL 197 (Ft) & DATE MEASURED	6/28/2005
		<u> </u>	ESTIMATED YIELD * 1000 (GPM) & TEST TYPE_	
TOTAL D	EPTH O	F BORING 1250 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN 58	(Ft)
TOTAL D	ЕРТН О	F COMPLETED WELL 1190 (Foot)	May not be representative of a well's long-term ye	ld.
				THE RESERVE TO THE PARTY OF THE

DEP	nu l					_	C	ASING (S)				DE	PTH		ANN		MATERIAL
FROM SURFACE		BORE - HOLE DIA.		YPI	E (*	() ( )	MATERIAL/	INTERNAL	GAUGE	SLOT SIZE	FRO	M SI	URFACE	CE-	BEN-		PE FILTER PACK
Ft to	FŁ	(Inches)	BLANK	SCREEN	ż c	FLP	GRADE	DIAMETER (Inches)	OR WALL THICKNESS	(Inches)	F	t t	p Fit.	MENT (X)	TONITE	<u> </u>	(TYPE/SIZE)
4470	4400	24	<del> </del>	۳,	┤	1"	ASTM-135	12-3/4	.312			0	620	1			SAND SLURRY
1170	1190		<u>*</u>	+-	╁╌	╁	ASTWEISS	12-314			1 6	20	1250			✓	SRI#8 SAND
			╁╌	╀	+	+		<del> </del>					1			l	
			╁	╁	+	<del> </del>	<u> </u>	<del> </del>					1				
<del> </del>			+	╁	十	†-		<del>                                      </del>					1		}	l	·
<del> </del>			╁╌	+	+-	+-		<del>                                     </del>					1				
<u> </u>	ATTAC	HMENTS	(⊻	<u> </u> [)	<u>_</u>		1			CERTIFIC			ATEMENT		d belief.		

ATTACHMENTS (∠)
Geologio Log
Well Construction Diagram
Geophysical Log(s)
- Soil/Water Chemical Analysis
Other

1	CIMIL CITATOR.				
	i, the undersigned, certify that this report is complete and accurate to the i	best of my knowledge and belief.			
	NAME EATON DRILLING CO.				_
	(PERSON, FIRM, OR CORPORATION) (TYPEL) OR PRINTELL)	WOODLAND	CA	95695	
	20 W. KENTUCKY AVE	CITY	STATE	ZIP	_
	Signed Mark Damion	07/14/05	C	57 A HIC - 133	<u>7</u> 8
	Signed WILL PRINTED PERPESENTATIVE	DATE SIGNED	Ċ	57 LICENSE NUM	3EI

DATE: 02/07/13 REPORT: R-040/1-3

# STATE OF CALIFORNIA DRINKING WATER PROGRAM

# DRINKING WATER ANALYSES RESULTS REPORT LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS

SOURCE NO: 001 NAME: WELL 05 - RAW PSCODE: 1610006-001 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
		. <b></b>					
GP SECONDARY/GP							
82383 AGGRSSIVE INDEX (CORROSIVITY)	12/16/2011		12.0000				
00440 BICARBONATE ALKALINITY	12/16/2011		330.0000				MG/L
00916 CALCIUM	12/16/2011		20.0000				MG/L
00445 CARBONATE ALKALINITY	12/16/2011	<	.0000			• • • • • • • • • • • • • • • • • • • •	MG/L
00940 CHLORIDE	12/16/2011		51.0000	600.0000		500.0000	MG/L
00081 COLOR	11/11/2011		45.0000	15.0000		15.0000	UNITS
01042 COPPER	12/16/2011	<	.0000	1,000.0000	50.0000	1,000.0000	UG/L
38260 FOAMING AGENTS (MBAS)	12/16/2011	<	,0000	.5000		.5000	MG/L
00900 HARDNESS (TOTAL) AS CACO3	12/16/2011		65.0000				MG/L
71830 HYDROXIDE ALKALINITY	12/16/2011	<	.0000				MG/L
01045 IRON	12/16/2011	<	.0000	300.0000	100,0000	300.0000	UG/L
· 00927 MAGNESIUM	12/16/2011		3.9000				MG/L
01055 MANGANESE	12/16/2011		99,0000	50.0000	20.0000	50.0000	UG/L
00086 ODOR THRESHOLD @ 60 C	11/11/2011	<	.0000	3.0000	1.0000	3.0000	TON
00403 PH. LABORATORY	12/16/2011		8.3000			`	
01077 SILVER	12/16/2011	<	.0000	100.0000	10.0000	100.0000	UG/L
00929 SODIUM	12/16/2011		240.0000				MG/L
00095 SPECIFIC CONDUCTANCE	12/16/2011		1,100.0000	2,200.0000		1,600.0000	US
00945 SULFATE	12/16/2011		170.0000	600.0000	500.0000	600.0000	MG/L
70300 TOTAL DISSOLVED SOLIDS	12/16/2011		750.0000	1,500.0000		1,000.0000	MG/L
82079 TURBIDITY, LABORATORY	11/11/2011	<	.0000	5.0000		5.0000	NTU
01092 ZINC	12/16/2011	<	. 0000	5,000.0000	50.0000	5,000.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER

2

#### STATE OF CALIFORNIA DRINKING WATER PROGRAM

DRINKING WATER ANALYSES RESULTS REPORT LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD

COUNTY: KINGS

•	PSCODE:	1610006-001	CLASS: (	CMGA STATU	IS: AR
SAMPLE					
DATE	RESULT	MCL	DLR	TRIGGER	UNIT
07/13/2011 <	.0000	1,000,0000	50.0000	200.0000	UG/L
07/13/2011 <	.0000	6.0000	6.0000	6.0000	UG/L
11/11/2011	3.4000	10.0000	2.0000	5.0000	UG/L
07/13/2011 <	.0000	1,000.0000	100.0000	1,000.0000	UG/L
07/13/2011 <	.0000	4.0000	1.0000	4.0000	UG/L
07/13/2011 <	.0000	5.0000	1.0000	5.0000	UG/L
07/13/2011 <	.0000	50.0000	10.0000	50.0000	UG/L
06/13/2002	.0000				UG/L
07/13/2011 <	.0000	150.0000	100.0000	150.0000	UG/L
07/13/2011	.1400	2.0000	.1000	2.0000	MG/L
07/13/2011 <	.0000		5.0000	15.0000	UG/L
07/13/2011 <	.0000	2.0000	1.0000	2.0000	UG/L
07/13/2011 <	.0000	100,0000	10.0000	100.0000	UG/L
11/11/2011 <	.0000	6.0000	4.0000	4.0000	UG/L
07/13/2011 <	.0000	50.0000	5.0000	50.0000	UG/L
07/13/2011 <	.0000	2.0000	1.0000	2.0000	UG/L
			,		
07/13/2011 <	.0000	45.0000	2.0000	23.0000	MG/L
08/15/2002	.0000	10,000.0000	400.0000	5,000.0000	UG/L
07/13/2011 <	.0000	1,000.0000	400.0000	500.0000	UG/L
	07/13/2011 < 07/13/2011 < 11/11/2011 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 06/13/2002 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/2011 < 07/13/201	SAMPLE DATE  07/13/2011 < .0000 07/13/2011 < .0000 11/11/2011 3.4000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 06/13/2002 .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000 07/13/2011 < .0000	SAMPLE DATE  RESULT  MCL  07/13/2011 < .0000 1,000.0000 07/13/2011 < .0000 6.0000 11/11/2011 3.4000 10.0000 07/13/2011 < .0000 4.0000 07/13/2011 < .0000 5.0000 07/13/2011 < .0000 50.0000 07/13/2011 < .0000 50.0000 07/13/2011 < .0000 150.0000 07/13/2011 < .0000 150.0000 07/13/2011 < .0000 150.0000 07/13/2011 < .0000 150.0000 07/13/2011 < .0000 150.0000 07/13/2011 < .0000 100.0000 07/13/2011 < .0000 2.0000 07/13/2011 < .0000 100.0000 07/13/2011 < .0000 6.0000 07/13/2011 < .0000 50.0000 07/13/2011 < .0000 50.0000 07/13/2011 < .0000 50.0000 07/13/2011 < .0000 45.0000 07/13/2011 < .0000 45.0000 07/13/2011 < .0000 10.0000000000000000000000000	SAMPLE DATE  RESULT  MCL  DLR  07/13/2011 < .0000 1,000.0000 50.0000 07/13/2011 < .0000 6.0000 6.0000 11/11/2011 3.4000 10.0000 2.0000 07/13/2011 < .0000 1,000.0000 100.0000 07/13/2011 < .0000 4.0000 1.0000 07/13/2011 < .0000 50.0000 10.0000 07/13/2011 < .0000 50.0000 10.0000 07/13/2011 < .0000 50.0000 10.0000 06/13/2002 .0000	SAMPLE DATE  RESULT  MCL  DLR  TRIGGER  07/13/2011 < .0000 1,000.0000 50.0000 200.0000 07/13/2011 < .0000 6.0000 6.0000 6.0000 5.0000 07/13/2011 < .0000 1,000.0000 100.0000 1,000.0000 07/13/2011 < .0000 4.0000 1.0000 1.0000 4.0000 07/13/2011 < .0000 5.0000 1.0000 5.0000 07/13/2011 < .0000 50.0000 100.0000 50.0000 07/13/2011 < .0000 50.0000 100.0000 50.0000 07/13/2011 < .0000 50.0000 100.0000 50.0000 06/13/2002 .0000

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER

PAGE:

STATE OF CALIFORNIA DATE: 02/07/13 DRINKING WATER PROGRAM REPORT: R-040/1-3

#### DRINKING WATER ANALYSES RESULTS REPORT LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS REPORT OF COUNTY: 16 KINGS

COUNTY: KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD

- NAME: WELL 06 - RAW (COLPSD06)REHB 0 PSCODE: 1610006-002 CLASS: CMGA STATUS: AR SOURCE NO: 002

GR	OUP IDENTIFICATION CONSTITUENT IDENTIFICATION .	SAMPLE DATE	RESULT	MCL	DLR	TRIGGER	UNIT
GP	SECONDARY/GP		••••				•••••
٠	82383 AGGRSSIVE INDEX (CORROSIVITY)	06/18/2008	12,0000				
	00440 BICARBONATE ALKALINITY	06/18/2008	290.0000				MG/L
	00916 CALCIUM	06/18/2008	20.0000				MG/L
	00445 CARBONATE ALKALINITY	06/18/2008	4.2000				MG/L
	00940 CHLORIDE	06/18/2008	41.0000	600.0000		500,0000	MG/L
	00081 COLOR	06/18/2008	25.0000	15.0000		15.0000	UNITS
	01042 COPPER	06/18/2008	.0000	1,000.0000	50.0000	1,000.0000	UG/L
	38260 FOAMING AGENTS (MBAS)	06/18/2008	< .0500	.5000		.5000	MG/L
	00900 HARDNESS (TOTAL) AS CACO3	06/18/2008	70.0000				MG/L
	71830 HYDROXIDE ALKALINITY	06/18/2008	< 1.0000			• • • • • • • • • •	MG/L
	01045 IRON	06/18/2008	140.0000	300.0000	100.0000	300.0000	UG/L
	00927 MAGNESIUM	06/18/2008	4,8000			• • • • • • • • • • • • • • • • • • • •	MG/L
	01055 MANGANESE	09/02/2009	320.0000	50.0000			UG/L
	00086 ODOR THRESHOLD @ 60 C	06/18/2008	,0000	3,0000	1.0000	3.0000	TON
	00403 PH, LABORATORY	06/18/2008	8.4000				
	01077 SILVER	06/18/2008	.0000	100.0000	10.0000	100.0000	
	00929 SODIUM	06/18/2008	280.0000				MG/L
	00095 SPECIFIC CONDUCTANCE	10/01/2008	1,100.0000	2,200.0000			
	00945 SULFATE	06/18/2008	340.0000	600.0000	500.0000		MG/L
	70300 TOTAL DISSOLVED SOLIDS	06/18/2008	870.0000	1,500.0000	• • • • • • • • • • • • • • • • • • • •	1,000.0000	
	82079 TURBIDITY, LABORATORY	06/18/2008	. 4700	5.0000		5,7772	NTU
	01092 ZINC	06/18/2008	.0000	5,000.0000	50.0000	5,000.0000	UG/L

= RESULT IS EQUAL TO OR GREATER THAN TRIGGER

2

PAGE:

STATE OF CALIFORNIA DRINKING WATER PROGRAM

DATE: 02/07/13 REPORT: R-040/1-3

#### DRINKING WATER ANALYSES RESULTS REPORT LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD SOURCE NO: 002 NAME: WELL 06 - RAW	(COLPSD06)REHB 0	COUNTY: PSCODE:	KINGS 1610006-002	CLASS: (	:MGA STATU	IS: AR
GROUP IDENTIFICATION	SAMPLE					
CONSTITUENT IDENTIFICATION	DATE	RESULT	MCL	DLR	TRIGGER	UNIT
~						• • • • • • • • • • • • • • • • • • • •
IO INORGANIC	06/18/2008	.0000	1,000.0000	50.0000	200,0000	UG/L
01105 ALUMINUM	06/18/2008	.0000	6.0000	6.0000	6.0000	UG/L
01097 ANTIMONY 01002 ARSENIC	09/02/2009		10.0000	2.0000		UG/L
01007 BARIUM	06/18/2008		1,000,0000		1,000,0000	UG/L
01012 BERYLLIUM	06/18/2008	.0000	4.0000	1.0000	4.0000	
01027 CADMIUM	06/18/2008	,0000	5,0000	1.0000	5.0000	UG/L
01034 CHROMIUM (TOTAL)	06/18/2008	,0000	50.0000	10.0000	50.0000	UG/L
01032 CHROMIUM, HEXAVALENT	06/13/2002	,0000	********			UG/L
01291 CYANIDE	06/18/2008	.0000	150,0000	100,0000	150.0000	UG/L
00951 FLUORIDE (F) (NATURAL-SOURCE)	06/18/2008	.3100	2.0000	. 1000	2.0000	MG/L
01051 LEAD	06/18/2008	.0000		5.0000	15.0000	UG/L
71900 MERCURY	06/18/2008	.0000	2.0000	1.0000	2.0000	UG/L
01067 NICKEL	06/18/2008	.0000	100.0000	10.0000	100.0000	UG/L
A-031 PERCHLORATE	10/01/2008	.0000	6.0000	4.0000	4.0000	UG/L
01147 SELENIUM	06/18/2008	.0000	50.0000	5.0000	50.0000	UG/L
01059 THALLIUM	06/18/2008	.0000	2.0000	1.0000	2.0000	UG/L
NI NITRATE/NITRITE	,,				• • • • • • • • • • • •	
71850 NITRATE (AS NO3)	09/02/2009	< 3.0000	45.0000	2,0000	23,0000	MG/L
A-029 NITRATE (AS NOS)  A-029 NITRATE + NITRITE (AS N)	08/15/2002	.0000			5,000.0000	
00620 NITRITE (AS N)	06/18/2008	.0000	1,000.0000	400.0000	•	

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER

NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DATE: 02/07/13 REPORT: R-040/1-3

# STATE OF CALIFORNIA DRINKING WATER PROGRAM

# DRINKING WATER ANALYSES RESULTS REPORT LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS

SOURCE NO: 005 NAME: WELL 07 - RAW PSCODE: 1610006-005 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION	SAMPLE				
CONSTITUENT IDENTIFICATION	DATE	RESULT	. MCL	DLR TRIGGER	UNIT
		,			
CD CECONDADY /CD					
GP SECONDARY/GP	10/16/0011	12 0000			
82383 AGGRSSIVE INDEX (CORROSIVITY)	12/16/2011	12.0000			NO //
00440 BICARBONATE ALKALINITY	12/16/2011	440.0000			MG/L
00916 CALCIUM	12/16/2011	6.4000			MG/L
00445 CARBONATE ALKALINITY	12/16/2011	20.0000			MG/L
00940 CHLORIDE	12/16/2011	45.0000	600,0000	500.0000	MG/L
00081 COLOR	11/11/2011	45.0000	15.0000	15.0000	UNITS
01042 COPPER	12/16/2011	390.0000	1,000.0000	50.0000 1,000.0000	UG/L
38260 FOAMING AGENTS (MBAS)	12/16/2011	< .0000	.5000	.5000	MG/L
00900 HARDNESS (TOTAL) AS CACO3	12/16/2011	28.0000			MG/L
71830 HYDROXIDE ALKALINITY	12/16/2011	< .0000			MG/L
01045 IRON	12/16/2011	1,300.0000	300.0000	100.0000 300.0000	UG/L
00927 MAGNESIUM	12/16/2011	2.9000			MG/L
01055 MANGANESE	12/16/2011	48.0000	50.0000	20.0000 50.0000	UG/L
00086 ODOR THRESHOLD @ 60 C	11/11/2011		3.0000	1.0000 3.0000	TON
00403 PH, LABORATORY	12/16/2011	8.6000			
01077 SILVER	12/16/2011	< .0000	100.0000	10.0000 100.0000	UG/L
00929 SODIUM	12/16/2011	210.0000			MG/L
> 00095 SPECIFIC CONDUCTANCE	12/16/2011	930.0000	2,200.0000	1,600.0000	ŲS
00945 SULFATE	12/16/2011	7.8000	600.0000	500.0000 600.0000	MG/L
70300 TOTAL DISSOLVED SOLIDS	12/16/2011	550.0000	1,500.0000	1,000.0000	MG/L
82079 TURBIDITY, LABORATORY	11/11/2011	4.0000	5.0000	5.0000	NTU
01092 ZINC	12/16/2011	< .0000	5,000.0000	50.0000 5,000.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER

PAGE:

# STATE OF CALIFORNIA DRINKING WATER PROGRAM

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

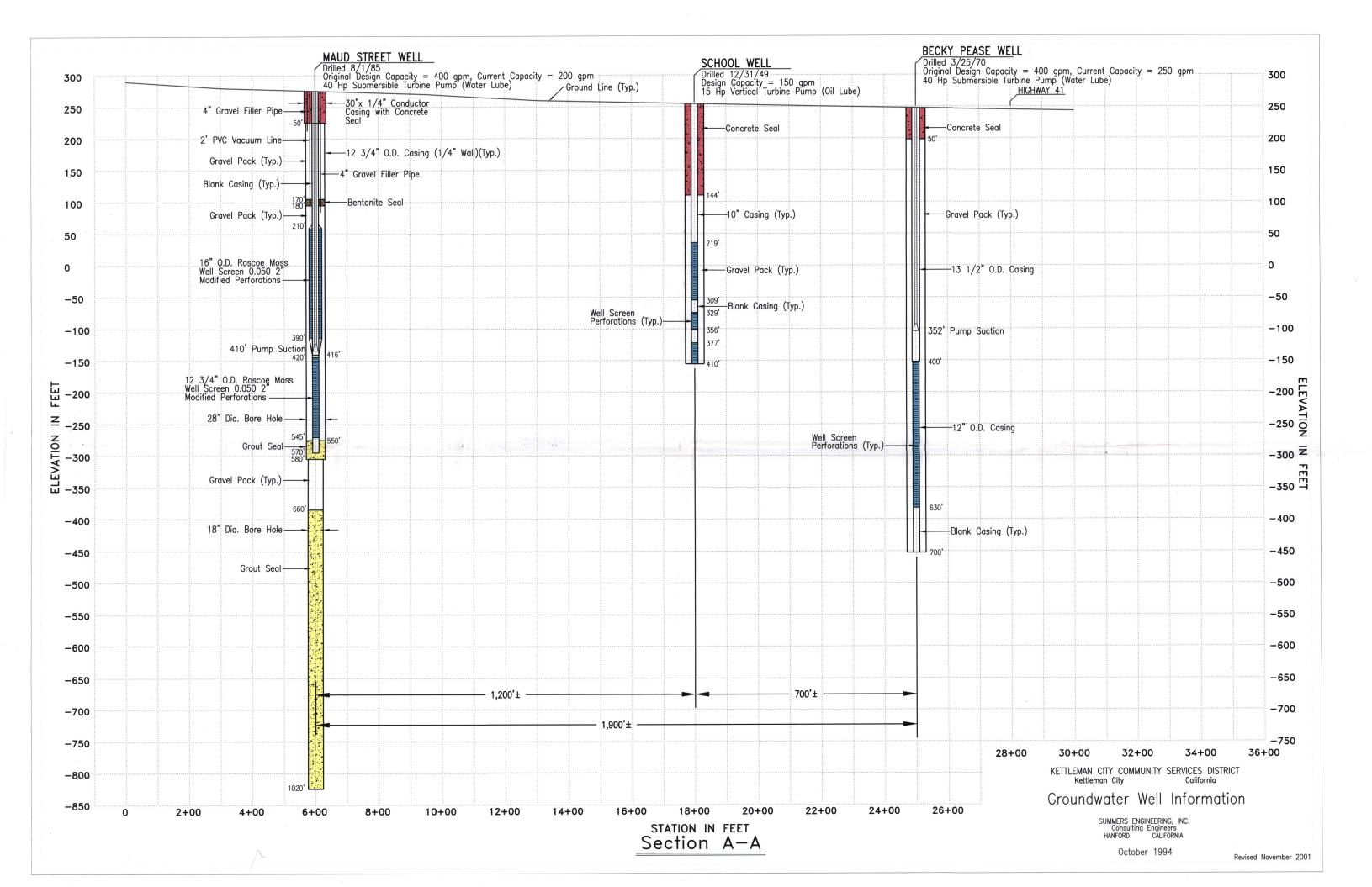
SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS

SOURCE NO: 005 NAME: WELL 07 - RAW PSCODE: 1610006-005 CLASS: CMGA STATUS: AR

SOUNCE MY, TO MAKE WALL OF TOM								
GROUP IDENTIFICATION CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT	
CONSTITUENT IDENTIFICATION	DAIL		KLJOLI	TIOL	DLIN	maden	01111	
IO INORGANIC								
01105 ALUMINUM	07/13/2011	<	.0000	1,000.0000	50.0000	200.0000	UG/L	
01097 ANTIMONY	07/13/2011	<	.0000	6.0000	6,0000	6.0000	UG/L	
01002 ARSENIC	11/11/2011	<	.0000	10.0000	2.0000	5.0000	UG/L	
01007 BARIUM	07/13/2011	<	.0000	1,000.0000	100.0000	1,000.0000	UG/L	
01012 BERYLLIUM	07/13/2011	<	.0000	4.0000	1.0000	4.0000	UG/L	
01027 CADMIUM	07/13/2011	<	.0000	5.0000	1.0000	5.0000	UG/L	
01034 CHROMIUM (TOTAL)	07/13/2011	<	.0000	50.0000	10.0000	50.0000	UG/L	
01291 CYANIDE	07/13/2011	<	.0000	150.0000	100.0000	150.0000	UG/L	
00951 FLUORIDE (F) (NATURAL-SOURCE)	07/13/2011		.1400	2.0000	.1000	2.0000	MG/L	
01051 LEAD	07/13/2011	<	.0000		5.0000	15.0000	UG/L	
71900 MERCURY	07/13/2011	<	.0000	2.0000	1.0000	2.0000	UG/L	
01067 NICKEL	07/13/2011	<	.0000	100.0000	10.0000	100.0000	UG/L	
A-031 PERCHLORATE	11/11/2011	<	.0000	6,0000	4.0000	4.0000	UG/L	
01147 SELENIUM	07/13/2011	<	.0000	50.0000	5.0000	50.0000	UG/L	
01059 THALLIUM	07/13/2011	<	.0000	2.0000	1.0000	2.0000	UG/L	
NI NITRATE/NITRITE								
71850 NITRATE (AS NO3)	07/13/2011	_	.0000	45.0000	2.0000	23.0000	MG/L	
00620 NITRITE (AS NO	07/13/2011		.0000	1.000.0000	400.0000			
AAACA MILILIF (VO N)	0//13/2011	` 	.0000	1,000,0000				
RA RADIOLOGICAL								
01501 GROSS ALPHA	07/13/2011	<	.0000	15.0000	3.0000	5.0000	PCI/L	

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER

KETTLEMAN CITY CSD



#### STATE OF CALIFORNIA

Do not fill in

#### THE RESOURCES AGENCY **DEPARTMENT OF WATER RESOURCES** WATER WELL DRILLERS REPORT

No.	17	7 <u>4</u>	2	5	3
110.		_	_	.,	_

e of Intent No. WATER WELL DI	State Well No
Permit No. or Date 8-1-85	Other Well No
(1) OWNER: Name Dist.	(12) WELL LOG: Total depth 580 ft. Depth of completed well 570 ft.
Address P.O. Box 177	from ft. to ft. Formation (Describe by color, character, size or material)
City Kettleman City, CA Zip 93239	0 - 50 Sandy Clay
(2) LOCATION OF WELL (See instructions):	50 - 125 Fine Sand & Clay
County Owner's Well Number	125 - 132 Sandstone & Fine Gravel
Well address if different from above	132 - 168 Clay W/Fine Sand Stringers
Township Range Section	168 - 219 Brown Clay
Distance from cities, roads, railroads, fences, etc. 50 East of First St.	219 - 231 Brown Clay W/Coarse Sand Stringer
and 40° South of General Petroleum Ave. City	231 - 307 Brown Clay
of Kettleman City, CA Kings County	307 - 312 Coarse Sand & Gravel
The state of the s	312 - 384 Hard Brown Clay
N (3) TYPE OF WORK:	384 408 Blue Clay
New Well M Deepening	408 - 443 Brown Clay
Reconstruction	443 - 455 Sandy Brown Clay W/Med. Sand Stri
Reconditioning	
I command determination	
	458 - 488 Sandy Brown Clay
Destruction (Describe destruction materials and	488 - 489 Sandstona
procedures in Item 12)	489 - 515 Brown Clay
(4) PROPOSED USE:	515 - 519 Med. Send (A)
Domestic Irrigation	519 - 579 Blue Clay
Irrigation □	579 - 580 Med. Sand & Gravel
Industrial 🗆	588 Stopped
Test. Well	CONDUCTOR
Stock	0 - 50 30" OD x1 Cemented in Place
Municipal	- CASING SET
WELL LOCATION SKETCH Other	0 - 420 12 3/4" 00 X + Blank
(5) EQUIPMENT: (6) GRAVEL PACK:	420 - 545 12 3/4" OD X 1 .050 Modified 2"
Rotary Reverse X Yes X No Size	545 -7570 12 3/4" OD X + Blank Centers
Cable	(218))- 390 16" 00 X 1 .050 Modified 2" cente
	TO THE STATE OF TH
Other Bucket Packed from 180 to 550 tt.  (7) CASING INSTALLED: (8) PERFORATIONS: LOUVER	
	SEALS
	170 - 180 140 lhs. Rentonite
From To Dia. Gage or From To Slot ft. ft. wall ft. ft.	550 - 580 3 Yards Cament
	- GRAVEL PACK
OUAL CASED	0 - 170 5/16 X 2
	180 - 550 20% 12 X 20 60% 6 X 12 Monteray
(9) WELL SEAL:	- MISCELLANEOUS
Was surface sanitary seal provided? Yes No I If yes, to depth ft.	8 - 200 4" %Gravel Tube
Were strata sealed against pollution? Yes No Interval 170-180 ft.	0 210 2" Vacuum Line
Method of sealing 0-50 Conductor 170-180 Bentonite	Work started 12-3 19 85 Completed 12-5 19 85
(10) WATER LEVELS:  Depth of first water, if knownft.	WELL DRILLER'S STATEMENT:
Depth of first water, if knownft.  Standing level after well completionft.	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
(11) WELL TESTS:	Signed
Was well test made? Yes No   If yes, by whom? Schafers	(Well Driller)
Type of test Pump Air lift Air lift	NAME Plyers Brothers Inc.
Depth to water at start of testft. At end of testft	(Person, firm, or corporation) (Typed or printed)  Address 855 F. Lacey 81vd.
Dischargegal/min afterhours Water temperature	Handand CA 07230
ical analysis made? Yes No If yes, by whom?	200240
Was electric log made? Yes No   If yes, attach copy to this report	(m) (m) ( m) ( m) ( m)
DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED. USE N	EXT CONSECUTIVELY NUMBERED FORM

# T228/R19E-18P

Well No. -3 -Drilled 3/25/70 Beckey #1

Depth from	<u>to</u>	Formation
0'	50 <b>'</b>	Top soil
50'	103'	Clay-shale
103'	126'	Fine sand and clay
126'	203'	Clay
203'	270'	Fine sand and clay
270'	281'	Blue clay
281'	300'	Fine sand and clay
300'	326	Sand-clay
326'	3481	Sand
348!	371'	Clay
371'	398'	Sand and clay
398'	410'	Clay
410'	470'	Sand
470'	503'	Sand and clay
503'	517'	Fine sand
517'	536'	Fine sand and clay
536'	5421	Fine sand, clay and gravel
542'	586'	Shale-clay
5 <b>36'</b>	601'	Sand-clay
601'	618'	Fine sand
. 6181	6281	Shale-clay
628'	700	Clay
Perfor	cated 40	)Q' to 630'

# DEPARTMENT OF PUBLIC HEALTH

# /ELL DATA (1) Place and Owner Kettleman City Community Services District

(2) Source of Information John Turner

		100	11. Hora	
	mber or Name		#3	School School
	Date drilled		3-25-70	12-31-49
	ation: Neighborhood		Residential	School ground
	ize of lot		90'x 120'	200'x 200'
I	Distance to: Sewer	40'	581	7100
	Sewage dispos	200'	150'	72001
	Abandoned w	ell none	none	150
	Nearest prope	rty line 251	25 *	50'
(5) Ho	using: Type	none	none	none
	Condition	<del>-</del>	-	
F	it depth (if any)	none	none	none
F	loor (material)			
Ι	Orainage	away	away	away
	ll Depth		700	410'
(7) C21	ing: Depth	390'	630'	410'
	Diameter.		12 and 14 inch	10 inch
	Sind		welded collar	steel
	leight above floor		6 inch	<u> </u>
	Distance to highest perfora		4001	219'
S	urface sealed (yes or no)		yes	
Č	Gravel pack (yes or no)	Ves		yes
S	econd casing depth	none	yes none	yes
S	econd casing diameter	none	none	none
	nnular seal (depth)		50'	none
-			20	mud 144'
/a\ <del>-</del>	pervious Strata: Thick	iness 10'	77'	201
(8) 1ml			<del> </del>	20'
	reneurated (Depti	130'	126'	491
	10.1	1061	1	
(9) Wa	ter Levels: Surface		226'	
,	Depth to Static			105'
	(When pum)	ping 233 *	2501	<u> 145'</u>
		1.		
10) Pur	np: Make	<u>Fairbanks Morse</u>	Jacuzzi	Fairbanks Mors
	урс		Turbine	Turbine
C	apacity, g.p.m	185	403	150
L	ubrication	oil drip	oil drip	oil drip
P	ower	25 hp electric	40 hp electric	15 hp electric
A	uxilizry power	inone	none	none
	ontrol		auto	auto
D	ischarge location	ahove ground	above ground	above ground
	ischarge to		main	pressure tan
1) Fret	quency of Use	Not in use	Daily	Da:1
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	q==moj oz odo			Daily
2) El	d Hazard	nana		
~) F100		none	none	none
1) P	1 15 1			
	narks and Defects	•	100 Becky Pease	
(1	Use other side if necessary)	General Petroleum		



1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (569)445-3397 Fax: (569)445-3580
ELAP Certification Number: 1888 James J. Spoisdoff, Laboratory Director

0904-05770 Lab Number 17095 Account # 4/17/2009 Date Received 4/17/2009 Date Collected 10:30 AM Time Collected Tito Bailing Collector/Inspector

SystemType: 99

Sample Type: Special

Water Sys #: Not State

Census Tract:

Well Number:

APN:

California Water Services P.O. Box 343

Coalinga,CA 93210

Attn: Kim Taylor

Sample Site: Kettleman City - 100 GPM - Hewitson Well Site

Analysis	Storet #	Pesult	Flag	MCL	DLR	EMISTRY ANA Chemist	Date Analyzed
Aluminum	01105	<50 µg/L		1000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Arsenle	01002	16,4 µg/L	High	10 μg/L	2 µg/L	M. Ickes, PHC	4/23/2009
Barium	01007	<100 µg/L	142.00	1000 µg/L	100 µg/L	W. Ickes, PHC	4/23/2009
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	M. Ickes, PHC	A/23/2009
Total Chromium	A-044	<1.0 µg/l.		50 µg/L	1.0 µg/L	M. Ickes, PHC	4/23/2009
Lead	01051	<5 μg/L		AL=15 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Mercury	71900	<0.5 μg/L		2 µg/L	0.5 µg/L	L. Assadourian	4/24/2009
Selenium	01147	<5 μg/L		50 µg/L	5'µg/L	M. Ickes, PHC	4/23/2009
Silver Silver	01077	<10 µg/L		100 μg/L	10 μg/L	M. lokes, PHC	4/23/2009
Antimony	01097	<6 μg/L		6 µg/L	6 µg/L	M. Ickes, PHC	4/23/2009
	01012	<1 μg/L		A µg/L	1 μg/L	M. Ickes, PHC	4/23/2009
Beryllum	01067	<10 μg/L		100 μg/L	10 μg/L	M. Ickes, PHC	4/23/2009
Nickel	01059	<1 μg/L		2 μg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Thallium	00916	16.3 mg/l.		7.79.7	2 mg/L	S. Stasikonis, PHC	4/24/2009
Calcium	01042	<50 μg/L		1300 µg/L	50 μg/L	M. Ickes, PHC	4/23/2009
Copper	01045	<100 μg/L		300 µg/L	100 μg/L	S. Stasikonis, PHC	5/6/2009
Iron	00927	6.4 mg/L		372 12.0	2 mg/L	S. Stasikonis, PHC	4/29/2009
Magnesium	the second secon	35,4 µg/L		50 µg/L	20 μg/L	M. lokes, PHC	4/23/2009
Manganese	01055	20 00 40 14 14 15 15 15 15		na Mare	1.0 mg/L	K. Lor, PHC	5/8/2009
Potassium	00937	1.25 mg/L			2 mg/L	K. Lor, PHC	5/12/2009
Sodium	00929	154 mg/L		5000 µg/L	50 μg/L	M. Ickes, PHC	4/23/2009
Zinc	01092	<50 μg/L		15 Units	5 Units	K. Lor, PHC	4/17/2009
Color	00081	<5 Units	Minh	900 µmho/cm	20 µmho/cm	K. Lor, PHC	4/17/2009
S.E.C.	00095	920 µmho/om 0,30 NTU	High	5 NTU	0.05 NYU	K. Lor, PHC	4/17/2009
Turbidity	82079	70.0 mg/L		4111.4	20 mg/L	K. Lor, PHC	4/17/2009
Total Hardness	00900				20 mg/L	K. Lor, PHC	4/17/2009
Alkalinity	00410	87.7 mg/L		250 mg/L	2 mg/L	S. Stasikonis, PHC	4/17/2009
Chloride	00940	41.0 mg/L		2.0 mg/L	0.1 mg/L	S. Stasikonis, PHC	4/17/2009
Fluoride	00951	<0.1 mg/L	+ Itali		2.0 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrate (Ion)	71850	53.3 mg/L	High	45 mg/L		S. Stasikonis, PHC	4/17/2009
Nitrite (as N)	00620	<400 μg/L		1000 μg/L	400 μg/L	S. Stasikonis, PHC	4/21/2009
Sulfate	00945	278 mg/L	High	950 mg/L	0.5 mg/L	K. Lor, PHC	4/17/2009
pH	00403	8.24 Std Units		¥.		N. LOU PIN	MITTENDE

MCL = Maximum Contaminant Level

DLR = Detection Level for Reporting QNS = Quantity Not Sufficient for Analysis

NTP = No Test Performed on Sample

Flag = "High" If Result Exceeds MCL

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Director / Chemistry Supervisor / QA Officer



1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (569)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spotsdoff, Laboratory Director

0904-05770 Lab Number 17095 Account # 4/17/2009 Date Received 4/17/2009 Date Collected 10:30 AM Time Collected Tito Balling Collector/inspector

SystemType: 99

Sample Type: Special

Water Sys #: Not State

Census Tract:

Well Number:

APN:

California Water Services

P.O. Box 343

Coalinga,CA 93210

Attn: Kim Taylor

Sample Site: Kettleman City - 100 GPM - Hewitson Well Site

GENERA	LMIN	ERAL, PHYS	SICAL	BINOR	GANIC CH	emistry and	ALACA
Analysis	Storet #		Flag	MCL	pla	Chemist	Date Analyzed
Bicarbonate (HCO3)	Luciani	86 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Carbonate (CO3)	00440	Mod Aggressive			000 EST #250	L. Soriano, PHC	5/1/2009
Corrosivity MBAS	38260	<0.025 mg/L		0.6 mg/L	0.025 mg/L	M. Ickes, PHC	4/27/2009

MBAS 4/17/2009 K. Lor, PHC OTON STON Not Detected 00086 Odor 4/21/2009 K. Lor, PHC 1 mg/L 630 mg/L High . 500 mg/L 70300 TDS L. Soriano, PHC 5/1/2009 0.5 mg/L <0.5 mg/L 71830 Hydroxide (OH)

Comment: Well runs off & on daily.

MCL = Maximum Conteminant Level DLR = Detection Level for Reporting

QNS = Quantity Not Sufficient for Analysis

NTP = No Test Performed on Sample Flag = "High" If Result Exceeds MCL L'I brians

Director / Chemistry Supervisor / QA Officer



1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775 Phone: (659)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580 James J. Spolsdoff, Laboratory Director **ELAP Certification Number: 1888** 

0904-05769 Lab Number

17095 Account #

4/17/2009 Date Received

4/17/2009 Date Collected

9:45 AM Time Collected

Tito Balling Collector/Inspector

SystemType: 99

Sample Type: Special

Water Sys #: Not State

Census Tract:

Well Number:

APN:

California Water Services

P.O. Box 343

Coalinga, CA 93210

Attn: Kim Taylor

Sample Site: Kertleman City - 400 GPM - Powers Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	329 µg/L		1000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Arsenic	01002	24.3 µg/L.	High	10 μg/L	2 µg/L	M. Ickes, PHC	4/23/2009
Barlum	01007	<100 μg/L		1000 µg/L	100 µg/L	M. lokes, PHC	4/23/2009
Cadmium	01027	41 µg/L		5 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Total Chromium	A-044	4 µg/L		50 µg/L	1.0 µg/L	M. Ickes, PHC	4/23/2009
Lead	01051	14.6 µg/L		AL=15 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Assadourian	4/24/2009
Selenium	01147	10.5 µg/L		50 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
	01097	<6 μg/L		6 µg/L	6 µg/L.	M. Ickes, PHC	4/23/2009
Antimony	01012	<1 μg/L		4 μg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Beryllium	01067	<10 μg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Nickel	01059	<1 µg/L		2 μg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Thallium	00916	15.9 mg/L		ra In Bres	2 mg/L	S. Stasikonis, PHC	4/28/2009
Calcium Canas	01042	<50 μg/L		1300 µg/L	50 μg/L	M. lokes, PHC	4/23/2009
Copper Iron	01045	7480 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/7/2009
	00927	7 mg/L		000 12.0	2 mg/L	K. Lor, PHC	6/11/2009
Magnesium	01055	121 µg/L	High	№ 50 µg/L	20 μg/L	M. lokes, PHC	4/23/2009
Manganese	00937	<1.0 mg/L	111911	OOMBIN	1.0 mg/L	S. Stasikonis, PHC	5/8/2009
Potassium		332 mg/L			2 mg/L	K. Lor, PHC	5/12/2009
Sodium	00929	<50 μg/L		5000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Zinc	01092	>25 Units	High	. 15 Units	5 Units	K. Lor, PHC	4/17/2009
Color	00081 00095	1600 µmho/cm	High	900 µmho/cm	20 µmho/cm	K, Lor, PHG	4/17/2009
S.E.C.	82079	42 NTU	High	5 NTU	0.05 NTU	K. Lor, PHC	4/17/2009
Turbidity		105 mg/L	rugo	, Jimo	20 mg/L	K. Lor, PHC	4/17/2009
Total Hardness	00900	235 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Alkalinity	00410	386 mg/L		250 mg/L	2 mg/L	S. Stasikonis, PHC	4/21/2009
Chloride	00940	<0.1 mg/L		2.0 mg/L	0.1 mg/L	S. Stasikonis, PHC	4/17/2009
Fluoride	00951	<2.0 mg/L		45 mg/L	2.0 mg/L	S. Stasikonie, PHC	4/17/2009
Nitrate (Ion)	71850			1000 μg/L	400 μg/L	S. Stasikonis, PHC	4/17/2009
Nitrite (as N)	00620	<400 µg/L		250 mg/L	0,5 mg/L	S. Stasikonis, PHC	4/17/2009
Sulfate	00945	10.4 mg/L		Son mair	nin ingra	K, Lor, PHC	4/17/2009
pH	00403	8.21 Std Units				121 WALL TIN	

MCL = Maximum Contaminant Level

DLR = Detection Level for Reporting

QNS = Quantity Not Sufficient for Analysis

NTP = No Test Performed on Sample Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer



1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (569)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0904-05769 Lab Number 17095 Account # 4/17/2009 Date Received

4/17/2009 Date Collected 9:45 AM Time Collected Tito Balling Collector/Inspector

SystemType: 99

Sample Type: Special

Water Sys #: Not State

Census Tract:

Well Number:

APN:

California Water Services

P.O. Box 343

Coalinga,CA 93210

Attn: Kim Taylor

Sample Site: Kettleman City - 400 GPM - Powers Well Site

Analysis	Storet #	Result	Flag	MCL	DLR	EMISTRY ANA Chemiet	Date Analyzed
THE PERSON NAMED IN THE PE		230 mg/L	1144	1110/11	2 mg/L	L. Sorlano, PHC	5/1/2009
Bicarbonate (HCO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Carbonale (CO3)	00000	Nonaggressive			M III She	L. Sorlano, PHC	5/1/2009
Corrosivity MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	4/27/2009
MDA9 Odor	00086	1.4 TON		3 TON	0 TON	K. Lor, PHC	4/17/2009
TDS	70300	880 mg/L	High	500 mg/L	1 mg/L	K. Lor. PHC	4/21/2009
Hydroxide (OH)	71830	<0.5 mg/L	(ngn	444 (112)	0,5 mg/L	L. Sorlano, PHC	5/1/2009

Comment: Well was on for 1 hour

MCL = Maximum Contaminant Level

DLR = Detection Level for Reporting QNS = Quantity Not Sufficient for Analysis

NTP = No Test Performed on Sample Flag = "High" If Result Exceeds MCL Ilbonaino

Director / Chemistry Supervisor / QA Officer



1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0904-05771 Lab Number 17095 Account # 4/17/2009 Date Received

4/17/2009 Date Collected 11:10 AM Time Collected Tito Balling Collector/inspector

SystemType: 99

Sample Type: Special

Water Sys #: Not State

Census Tract:

Well Number:

APN:

California Water Services

P.O. Box 343

Coalinga,CA 93210

Attn: Kim Taylor

Sample Site: Kettleman City - 1200 GPM - Lawis Well Site

Analysis	Storet #	Result	Flag	MCL	DLR	EMISTRY ANA Chemiet	Date Analyzed
Aluminum	01105	199 µg/L		1000 µg/L	50 μg/L	M. Ickes, PHC	4/23/2009
Arsenio	01002	12.6 µg/L	High	10 μg/L	2 µg/L	M. Ickes, PHC	4/23/2009
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	M. Ickes, PHC	4/23/2009
Cadmium	01027	<1 µg/L		5 µg/\	1 µg/L	M. Ickes, PHC	4/23/2009
Total Chromium	A-044	2.4 µg/L	1.5	50 μg/L	1.0 µg/L	M. Ickes, PHC	4/23/2009
Lead	01051	<5 μg/L		AL=15 µg/L	8 µg/L	M. lokes, PHC	4/23/2009
Mercury	71900	<0.5 µg/L		2 μg/L	0.5 µg/L	L. Assadourlan	4/24/2009
Mercury Sølenium	01147	<5 μg/L		50 µg/L	5 μg/L	M. Ickes, PHC	4/23/2009
Silver	01077	<10 μg/L		- 100 μg/L	10 µg/L	M. Ickes, PHC	4/23/2009
All the second second	01097	<6 µg/L		6 µg/L	6 µg/L	M. Ickes, PHC	4/23/2009
Antimony Beryllium	01012	<1 µg/L		A µg/L	1 μg/L	M. lokes, PHC	4/23/2009
	01067	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Nickel	01059	<1 μg/L		2 μg/L	1 µg/L	M. lokes, PHC	4/23/2009
Thailium	00916	16.2 mg/L			2 mg/L	S. Stasikonis, PHC	4/28/2009
Calcium	01042	<50 μg/L		1300 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Copper	01042	729 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/7/2009
Iron		3 mg/L		and high m	2 mg/L	K. Lor, PHC	5/11/2009
Magnesium	00927		High	🥖 50 μg/L	20 μg/L	M. lokes, PHC	4/23/2009
Manganese	01055	68 µg/L	rugn	o vonaim	1,0 mg/L	S. Stesikonis, PHC	5/8/2009
Potassium	00937 00929	<1.0 mg/L 191 mg/L			2 mg/L	K. Lor, PHC	5/12/2009
Sodium	01092	<50 μg/L		5000 μg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Zinc	00081	5 Units		15 Units	6 Units	K. Lor, PHC	4/17/2009
Color	00085	900 µmho/em	High	900 µmho/cm	20 µmho/cm	K. Lor, PHC	4/17/2009
9.E.C.	82079	1.2 NTU	ıngıı	5 NTU	0.05 NTU	K. Lor, PHC	4/17/2009
Turbidity	00900	84.5 mg/L		4111	20 mg/L	K. Lor, PHC	4/17/2009
Total Hardness		59.2 mg/L			20 mg/L	K, Lor, PHC	4/17/2009
Alkalinky	00410	76,2 mg/L		250 mg/L	2 mg/L	S. Stasikonis, PHC	4/17/2009
Chloride	00940	<0.1 mg/L		2.0 mg/L	0.1 mg/L	S. Stastkonis, PHC	4/17/2009
Fluoride	00951	6.9 mg/L		45 mg/L	2.0 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrate (Ion)	71850			1000 µg/L	400 µg/L.	S. Stasikonis, PHC	4/17/2009
Nitrite (as N)	00620 00945	<400 μg/L 300 mg/L	High		0.5 mg/L	S. Stasikonis, PHC	4/21/2009
Sulfate	00845	8,29 Std Units	ruga			K. Lor, PHC	4/17/2009

MCL = Maximum Contaminant Level

DLR = Detection Level for Reporting

QNS = Quantity Not Sufficient for Analysis

NTP = No Test Performed on Sample

Flag = "High" If Result Exceeds MCL

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Director / Chemistry Supervisor / QA Officer



1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775 Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580 James J. Spolsdoff, Laboratory Director **ELAP Certification Number: 1888** 

0904-05771

17095 Account #

4/17/2009 **Date Received** 

4/17/2009 Date Collected

11:10 AM Time Collected

Tito Balling Collector/Inspector

SystemType: 99

Sample Type: Special

Water Sys #: Not State

Census Tract:

Well Number:

APN:

Lab Number

California Water Services

P.Q. Box 343 Coalinga, CA 93210

Attn: Kim Taylor

Sample Site: Kettleman City - 1200 GPM - Lewis Well Site

GENERA	LMIN	eral, Phys	SICAL	. & INOR	GANIC CH	emistry and	ALYSES
Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	58 mg/L			2 mg/L	L. Sorlano, PHC	5/1/2009
Carbonate (CQ3)	00445	1 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Corrosivity		Mod Aggressive			400	L. Soriano, PHC	5/1/2009
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	W. Ickes, PHC	4/27/2009
Odor	00086	Not Detected		MOT E	OTON	K. Lor, PHC	4/17/2009
TDS	70300	620 mg/L	High	500 mg/L	1 mg/L	K. Lor, PHC	4/21/2009
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	5/1/2009

Comment: Well running.

MCL = Maximum Contaminant Level

DLR = Detection Level for Reporting

QNS = Quantity Not Sufficient for Analysis

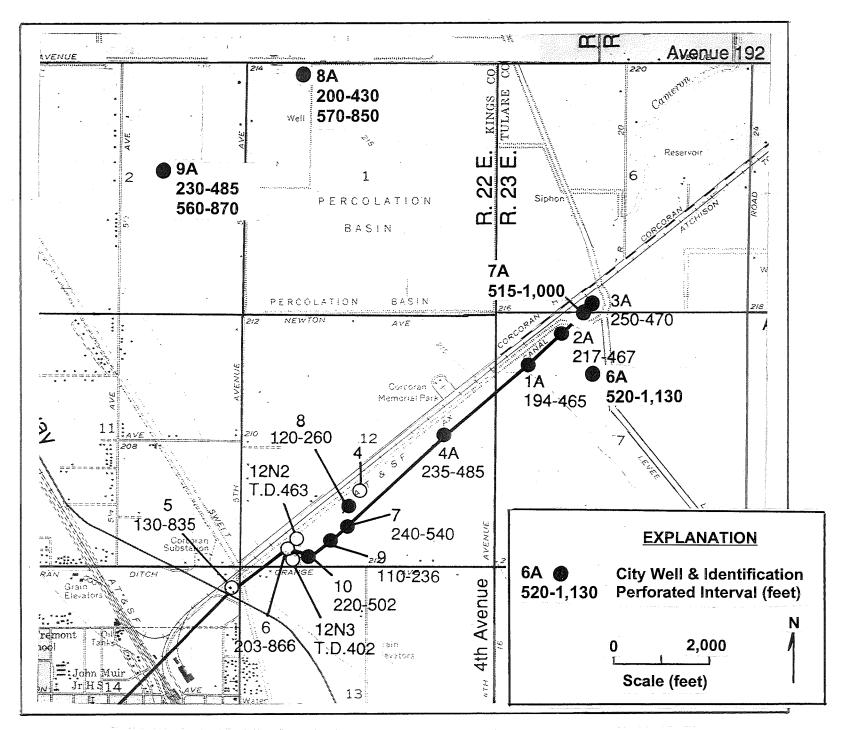
NTP = No Test Performed on Sample

Flag = "High" If Result Exceeds MCL

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Director / Chemistry Supervisor / QA Officer

CITY OF CORCORAN



LOCATION OF THE CITY OF CORCORAN SUPPLY WELLS

TABLE 1 - CONSTRUCTION DATA FOR ACTIVE CITY OF CORCORAN WELLS

Perforated Interval (feet)	240-540	130-270	110-236	226-252 290-502	194-465	217-467	250-470	235-485
Casing Diameter	14	14	14	14	16	16	16	16
Cased Depth (feet)	540	270	236	502	465	467	475	495
Depth (feet)	540	270	240	505	515	510	477	515
Date <u>Drilled</u>	7/59	11/60	4/63	2/67	3/75	3/75 💉	12/81	9/87
State <u>Location</u>	T21S/R22E-12P	1211	12P	12P	T21S/R23E-7D	7.0	6P	T21S/R22E-12H
No.	7	ω	σ	10	1-A	2-A	3-A	4-A

Information from drillers logs and City of Corcoran records.

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	<u> </u>							Pl.	estrate or Pescril h as Roads, Buil EASE BE ACC	dings, Fence URATE &	A, HOSER, EIG COMPLETE				
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<u> </u>		DIA, (Inchés)	BLANK	CON- DUCTOR FILL FIPE	MATERIAL/ GRADE	DIAMETER (Inches)	OR W	ALL	IF ANY (Inchas)	FI.	a Fl.	MENT	tonii( (∠.)		FILTER PAC (TYPE/SIZE
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-4	51 515"	78	X	<del>                                     </del>	travel tipe		3.4	HD		<u></u>					
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		tioni Log(8) Inr Chomical	i Analyse	9.6	16	DE	_Çal	مكن	سمام		CITY	1		SIATE	2714
-	Other	<del></del> .			AUDRESS.	71	(L1	m	table.			7-8	<u>-97</u>	' 	44053
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#### WATER ANALYSIS (GENERAL CHEMISTRY)

KENNETH D. SCHMIDT & ASSOCIATES, INC.

Date Reported:

07/08/97

600 WEST SHAW

Date Received: 06/27/97

SUITE 250

Laboratory No.: 97-06717-1

FRESNO, CA 93704

Attn: KEN SCHMIDT

209-224-4412

Sample Description:

CITY OF CORCORAN WELL 6-A: PUMP TEST SAMPLED BY J. DILLARD

Sampling Date/Time:

06/26/97 @ 05:50PM

Constituents	Results	Units	P.O.L.	Method
Calcium	1.7	mg/L	0.1	EPA-7140
Magnesium	0.08	mg/L	0.01	EPA-7450
Sodium	54.	mg/L	0.1	EPA-7770
Potassium	0.3	mg/L	0.1	EPA-761.0
Total Cations	2,45	meg/L		Çalculated
Hydroxide	None Detected	mg∫L	0.8	EPA-310.1
Carbonate	28.2	mg/L	2.6	EPA-310.1
Bicarbonate	62.6	mg/L	2.6	EPA-310.1
Sulfate	3.6	mg/L	1.0	EPA-300.0
Chloride	8.9	mg/L	1.0	EPA-300.0
Nitrate as NO3	None Detected	mg/L	0.4	EPA-353.2
Fluoride	1.2	mg/L	0.05	EPA-340.2
Total Anions	2.35	meq/L		Calculated
pH	9.33	pH Units	<b>-</b> ,	EPA-9040
Electrical Conductivity	3.50	F		
@ 25 C	242.	umhos/cm	1.	EPA-9050
Total Dissolved Solids	কৰে বা আছি পু			
w 180 C	156.	mg/L	10.	EPA-160.1
Hardness as CaCO3	4.6	mg/L	1.0	SM-2340B
Alkalinity as CaCO3	98.4	mg/L	<b>5.0</b>	EPA-310.1
Total Cyanide	None Detected	μg/L	0.02	EPA-335.3
Total Sulfide	0.5	mg/L	0.1	EPA-376.2

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed). California D.O.H.S. Cert. #1186

Marna Atencio Department Supervisor

#### Wet Lab Analysis

Kenneth D. Schmidt & Assoc. 600 West Shaw Avenue Suite 250 Fresno, CA 93704 APPL Inc. 4203 West Swift Avenue Fresno, CA 93722

Attn: CHERYL LASSOTOVITCH

Sample ID: CORCORAN WELL 6A Sample Collection Date: 6/26/97 APPL ID: AP52282 ARF: 25379

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 180.1	Turbidity	4.2	0.1	UTM	6/28/97	6/28/97
SM 2120B	Color	20	1	çolor unita	6/28/97	6/28/97
SM 2150B	Odor in plastic	Not detected	1	T,O.N.	6/28/97	6/28/97
SM 2510B	Specific Conductance	228	3.0	umhos/cm @ 25C	7/3/97	7/3/97
SM 5540C	MBAS by SM 5540C	Not detected	0.03	mg/L	7/8/97	7/8/97





#### WATER ANALYSIS (METALS)

KENNETH D. SCHMIDT & ASSOCIATES, INC.

07/08/97 pate Reported:

600 WEST SHAW

Date Received: 06/27/97

SULTE 250

Laboratory No.: 97-06717-1

FRESNO, CA 93704

Attn: KEN SCHMIDT

209-224-4412

Sample Description:

CITY OF CORCORAN WELL 6-A: PUMP TEST SAMPLED BY J. DILLARD

Sampling Date/Time:

06/26/97 @ 05:50PM

Constituents	Results	Units	P.O.L.	Method
Dissolved Aluminum	138.	μg/L	50.	EPA-6010
Dissolved Antimony	None Detected	μg/L	l,	EPA-200.8
Dissolved Arsenic	15. ·	μg/L	2.	EPA-200.8
Dissolved Barium	None Detected	μ <u>φ</u> /L	100.	EPA-6010
Dissolved Beryllium	None Detected	μg/L	1.	EPA-200.8
Dissolved Derytitum	None Detected	μg/L	1.	EPA-200.8
Dissolved Chromium	None Detected	μg/L	10.	EPA-6010
	None Detected	μg/L	10.	EPA-6010
Dissolved Copper	None Detected	μg/L	50.	EPA-6010
Dissolved Iron	None Detected	μg/L	5.	EPA-200.8
Dissolved Lead	None Detected	μg/L	10.	EPA-6010
Dissolved Manganese	None Detected	μg/L	0.2	EPA-7470
bissolved Mercury		μg/L	5.	EPA-200.8
Dissolved Nickel	None Detected	μ9/ A	2.	SM-3114B
Dissolved Selenium	None Detected	μg/ <b>ኤ</b>	10.	EPA-6010
Dissolved Silver	None Detected	μg/L		EPA-200.8
Dissolved Thallium	None Detected	μg/L	1.	EPA-6010
Dissolved Zinc	None Detected	$\mu$ g/L	10.	PHW-OUTO

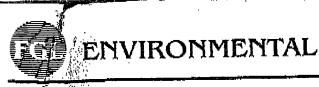
P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Sample was filtered thru 0.45  $\mu$  filter and acidified prior to metal analysis.

Californía D.O.H.S. Cert. #1186

Dan Schultz

Laboratory Director



## ANALYTICAL CHEMISTS

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

Date of Report: July 18, 1997

Sample ID No. SP Signature Lab

705103-01

Laboratory

FGL Environmental

Director:

Employed By: Schmidt & Assoc.

Name:

Name of Sampler: Jim Dilliard

Date/Time Sample

Date Analyses

Date/time Sample

Collected: 06/26/1997-1750 Rec. @ Lab: 07/01/1997-1030 Completed: 07/10/1997

System

Number:

System

Name: CITY OF CORCORAN

Name or Number of Sample Source: Well 6A Pump Test

User ID:

Station Number:

Date/Time of Sample: 9 7 0 6 2 6 1 7 5 0

Laboratory Code: 5 8 6 7

Submitted by:

YYMMDDTTTT FGL Environmental

Phone #(805) 659-0910

#### RADIOLOGICAL CHEMICALS

MC	L	UNITS	CHEMICAL	ENTRY	RESULT	DLR
	35 !!	pCi/L	Gross Alpha Gross Alpha Counting Error Uranium Uranium Counting Error	01501 01502 28012 A-028	0.0	

 $_{\parallel}$  >= 5 May require testing for  $U_{\alpha}$  ,  $^{226}R_{a_{\alpha}}$  >= 15 Unaccounted Alpha (Total  $\alpha$  -  $U_{\alpha}$ ) >= 35 Total Gross Alpha limit.



#### WATER ANALYSIS (GENERAL CHEMISTRY)

KENNETH D. SCHMIDT & ASSOCIATES, INC.

600 WEST SHAW

SUITE 250

FRESNO, CA 93704

Attn: KEN SCHMIDT

209-224-4412

Date Reported:

08/25/97

Date Received: 08/11/97

Laboratory No.: 97-08465-1

End of Constant Discharge Tors

Sample Description:

CITY OF CORCORAN WELL 7A 12 HR SAMPLED BY DILLIARD

Sampling Date/Time: 08/

08/04/97 @ 04:50PM

		· · · · · · · · · · · · · · · · · · ·		
Constituents	Results	<u>Units</u>	P.Q.L.	<u>Method</u>
Calcium Magnesium Sodium Potassium Total Cations Hydroxide Carbonate Bicarbonate Sulfate Chloride Nitrate as NO3 Fluoride Total Anions	1.7 0.09 50. 0.3 2.27 None Detected 23.1 75.6 5.6 7.0 None Detected 1.2 2.32 8.94	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.1 0.01 0.1 0.8 2.6 2.6 1.0 1.0 0.4 0.05	EFA-7140 EFA-7450 EFA-7770 EFA-7610 Calculated EFA-310.1 EFA-310.1 EFA-300.0 EFA-300.0 EFA-353.2 EFA-340.2 Calculated EFA-9040
Electrical Conductivity @ 25 C Hardness as CaCO3 Alkalinity as CaCO3 Total Cyanide	244. 4.6 101. None Detected	umhos/cm mg/L mg/L mg/L	1. 1.0 5.0 0.02	EPA-9050 SM-2340B EPA-310.1 EPA-335.3

P.O.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed). California D.O.H.S. Cert. #1186

Marna Atencio

Department Supervisor





#### WATER ANALYSIS (METALS)

KENNETH D. SCHMIDT & ASSOCIATES, INC.

Date Reported: 09/02/97

600 WEST SHAW

Date Received: 08/11/97

Laboratory No.: 97-08465-1

SUITE 250

FRESNO, CA 93704 Attn: KEN SCHMIDT

209-224-4412

Sample Description:

CITY OF CORCORAN WELL 7A 12 HR SAMPLED BY DILLIARD

Sampling Date/Time:

08/04/97 @ 04:50PM

Constituents	Results	Units	P.O.L.	Method
Dissolved Aluminum Dissolved Antimony Dissolved Arsenic Dissolved Barium Dissolved Beryllium Dissolved Cadmium Dissolved Chromium Dissolved Tron Dissolved Manganese Dissolved Mercury Dissolved Selenium Dissolved Silver Dissolved Thallium Dissolved Zinc	199. None Detected 20. None Detected	μα/Γ μα/Γ μα/Γ μα/Γ μα/Γ μα/Γ μα/Γ μα/Γ μα/Γ	50. 1. 2. 100. 1. 10. 10. 50. 5. 10. 0.2 5. 2. 10. 10.	EPA-6010 EPA-200.8 EPA-6010 EPA-6010 EPA-6010 EPA-6010 EPA-6010 EPA-6010 EPA-200.8 EPA-6010 EPA-200.8 EPA-6010 EPA-200.8 SM-3114B EPA-6010 EPA-6010

P.O.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Sample was filtered thru 0.45  $\mu$  filter and acidified prior to metal analysis.

California D.O.H.S. Cert. #1186

Dan Schultz

Laboratory Director

Kenneth D. Schmidt and Associates 600 West Shaw Avenue, Suite 250 Fresno, California 93704 Attn: Jim Dillard

Sample I.D. No: City of Corcoran Well 7A 12 HR

APPL Sample No: R25680-53984W

Analysis Results:

Sample Date: 08/04/97 Report Date: 09/09/97

Page 9 of 9

Date Received: 08/05/97

	<u>Results</u>	Quantitation <u>Limit</u>	Method Number
pH @ 21.0°C Turbidity (N.T.U.) Color (apparent) @pH [.0 Odor (T.O.N.)	9.4 2.6 15.0 <1	NA 0.1 1 1	EPA 150.1 EPA 180.1 SM 2120B SM 2150B
Specific Conductivity (EC) μmhos/cm @ 25°C Methylene Blue Active	207	3.0	SM 2510B
Substances (MBAS) mg/L	<0.03	0.03	SM 5540C

Checked By



# ENVIRONMENTAL

## ANALYTICAL CHEMISTS

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

Date of Report: August 28, 1997

Laboratory

FGL Environmental

Name: Name of Sampler: Dillard

Date/time Sample

Employed By: Schmidt & Assoc. Date/Time Sample

Collected: 08/04/1997-1650 Rec. @ Lab: 08/07/1997-0945 Completed: 08/22/1997

Director:

Date Analyses

No. SP

Sample 19

706174-01

System

Number:

System

Name: CITY OF CORCORAN

Name or Number of Sample Source: Well 7A

12 HR

Signature Lab

User ID:

Station Number:

Date/Time of Sample: 9 7 0 8 0 4 1 6 5 0

YYMMDDTTTT

Submitted by:

FGL Environmental

Laboratory Code: 5 8 6 7

Phone #(805) 659-0910

#### RADIOLOGICAL CHEMICALS

			<u> </u>			
Γ	MCL	UNITS	CHEMICAL	ENTRY	RESULT	DLR
	5-35 !!	pCi/L pCi/L	Gross Alpha Councing mann	01501 01502 28012 A-028	1.0 ± 1	

 $_{\rm II}$  >= 5 May require testing for  $U_{\alpha}$  ,  $^{226}{\rm Ra}_{\alpha}$  >= 15 Unaccounted Alpha (Total  $\alpha$  -  $U_{\alpha}$ ) >= 35 Total Gross Alpha limit.

DUPLICATE		STATE OF		ornia D <b>N REPORT</b>		IR DRE DNL	<u> </u>	1 , ,			
Driller's Copy		WELL COMPL			<u> </u>	STATE	WELL NO./STA	TION NO.			
Page of	$\neg A$		EOE1		i   1						
Owner's Well No Date Work Began	6-16-97 End	ded 8-18-97		TCCC.	L	ATITUDE	L	ONGITUDE			
Local Permit Age	411	County	<i>y</i>	_		نابل					
Permit No	22346	, Permit Date	97			apn/trs/Oth	i A				
A 22 MILL 11 12 .	CEOLOGIC LO		тТ			THOWNE					
ORIENTATION (4)	YERTICAL HORIZON	TAL ANGLE (SPE	CIFY)	Name Cil	y ot	COLCOL					
	DEPTH TO FIRST WATER	(FL) BELOW SURFA	CE	Mailing Address	City He	all 103	3, CM	illen och Au			
DEPTH FROM SURFACE		RIPTION	- 1	COVLOIGN	- 1 1 · · ·	h*	<u>LA</u>	ATE ZIP			
Ft. to Ft.	WELL LOCATION 125										
0 50	NOCTOSS TO THE PARTY OF THE PAR										
50:170:	50 170 Sand + Gravel				City Est of Carca Can						
110 360	170:260 Sand + Clay			County To lave County							
370 2 10	240 : 270: Clay				APN Book 200 Page 050 Parcel 26-000 Township 215 Range 23 E Section 7						
480 500	Clay	<del></del>		Township Ange Section Section Latitude North Longitude WEST							
500 650	Very Sandy +	· Clay Lense		, DEG, MIN, SEG. UEG, MIN, SEG.							
150 790	Sand + Cla	1/	*	LOC	ATION SKI ⊶ NORTH —			NEW MET'T			
760 860	Clav	<u> </u>				Huyy	The state of the s	IFICATION/REPAIR			
860 890	Sand	LI MANAGEMENT I		1		- Andrews of the Control of the Cont	1000 Charel	Dаереп			
490 7210	Sand + Clav	Lenses		Walk	12	· ^ - /		Other (Specify)			
1310 1330	Sand	1.1000		VV.		4-3000	<b>-</b> -	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			
1230: 1260	Sand + Clay			-	1		ļ	DESTROY (Describe Procedures and Malerial,			
1250 1300	Clay & Sand	**************************************		1	1		i	Under "GEOLOGIG LOG"			
1300 1350	Clay			L V	1		PS L	ANNED USE(S) (上) MONITORING			
				* \43	[	4th Ave	_  -	*,			
1 1100	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	·	115		4"	WAT	EN SUPPLY			
			—~1	\	ì			Domantic / 4"			
		1		· \	Allen 1	al i	70	Public ::			
	1,			/ WM	itley	Rd 1	10	industrial (3)			
				1				"TEST WELL"			
	A LEAST TO THE STATE OF THE STA	1 1 to 100 to 10		1				GATHODIC PROTEC			
I I				TION							
1				Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.							
	1				NAME OF TAXABLE PARTY OF THE PA	AAAA AAAA AAAA AAAA AAAA AAAA AAAA AAAA AAAA	Lymnia de la companya	Polybore			
	I 1			METHOD NE	verse (	Circula	200				
1	( !			DEPTH OF STATICA		TET'D OF C		7-31-97			
1	1			WATER LEVEL	<del>Table 1</del>	NA DATE ME	ASURED	The state of the s			
1	(200			ESTIMATED YIELD	1	PM) & TEST T	EP P**	<u> </u>			
TOTAL DEPTH OF	BORING $1350$ (Fee),	O' (Feet)		TEST LENGTH				(FIL)			
TOTAL DEPTH OF	COMPLETED WELL 10 6	(Feet)		* May not be repres	entative of a u			179.			
		CASING(S)			DEPT			MATERIAL			
PEPTH FROM SURFACE	HOLE TYPE ( )			E SLOT SIZE	FROM SUR			YPE			
ļ	DIA.		GAUGI OR WA	LL   IF ANY '	E1 10	CE- MENT	BEN, TONITE FILL	FILTER PACK			
Ft, to Ft.	DIA. (Inchas) He He COOL THE	ţinches;	THICKNE		Ft. to	ft. ( <u>ピ</u> )	(스) (조)	<u> </u>			
+8:50	48 X A	139 Mas 35	3/43		Di	485 X	<b>-</b>	-			
4 6 515	28 X 60	per Besilve /6	<u> 746</u>		485	195	X	BX20 Glis			
515:1000	198 X R	1 Flow 1 /6	5/16	.050	1005	000	- I	OY AC) COMO			
1000:1000	38 X 6	per bearing /Co	5/16		1000 1	040	X	Bravel			
		<u> </u>			11110 1	070		18 m			
					TYON COAT	FMENT	<u> </u>	1000			
ATTAC	HMENTS (Z)	I, the underalgred, certi	this report is compl	ete and accu	rate to the be	st of my kno	wiedge and belief.				
Geologi	c Log	Wakes.	d Well a	PUM	o (al	of "	Zian Indi)				
Weil Co	Well Construction Diagram NAME (FERSON, FIRM, OR COMPRATION					r	<i>^</i>	1 00000			
1	— Geophysical Log(s)				Ba Ku	vatield	L.F	1 433/10			
<b>I</b>	itor Chomical Analyses	ADDRESS ADDRESS	7 8		- 1 1 2 2	CHY	O OS	ZIP			
Other _		Signed	Kho	mur		<u>D~/</u>	<u>8-1 /</u>	44053/			
ATTACH ADDITIONAL	INFORMATION. IF IT EXISTS.	Signed WELL APPLLER/AUTHORI	TEO MEPR	ESENTATIVE		DATE SIG	ieh	C-57 LICENSE NUMBER			
OCULIN CAS RIGHT IN AR	ie አስተነቸጠክል!	CBVCE IS MEEURU 1181	M MEXI	CONSECUTIVELY	MOMBERED	COUN					

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27.1	101.16	· A -	_
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. Y.) [	11 St. 7. 45	€ Ô	nv
			~ 3

Page 1 of 2

WELL COMPLETION REPORT

to the contract of the contract of the property of the contract of the contrac

Corestan -

~~.	T.S.		VII.	
Refer	to	Instruction	Pamph	let

Owner's Well No. 8A Date Work Began 5/11/2004

Ended 7/17/2004

Local Permit Agency . Permit No.\_ Permit Date

No. E005952

STATE WELL NO STATION NO. LATTUDE LONGITUDE APN/TRS/OTHER

reamit No.	Permit Date	AT DE DESCRIPTION	5111 <u>5</u> 11
	GEOLOGIC LOG	WELL OWNER -	
ORIENTATION (	V) VERTICAL HORIZONTAL ANGLE (SPECIFY)	Name CORCORAN CITY WELL	·
DEPTH FROM	DRILLING REVERSE FLUID	Mailing Address 1033 CHITTENDEN	
SURFACE	DESCRIPTION	CORCORAN	CA 93212
Ft. to Ft.	Describe material, grain, size, color, etc. 5 TOP SOIL	CITY	STATE ZIP
<del></del>		Address NEVADA AND 5 172 AVECATION	
	14 BROWN CLAY	City CORCORAN CA	
	16 MEDIUM SAND	County	
	32 BROWN CLAY	APN BookPage Parcel	
	35 SANDY BROWN CLAY	Township Range Section	
	50 BROWN CLAY	Latitude	1
	65 FINE & COARSE SAND	DEG. MIN. SEC.	DEG. MINL SEC.
	75 GREEN CLAY	LOCATION SKETCH	—ACTIVITY (⊻) ——
	78 LIGHT BROWN CLAY		
	79 MEDIUM SAND	,	MODIFICATION/REPAIR —— Deepen
	96 LIGHT BROWN CLAY		- Other (Specify)
	23 COARSE SAND		DECEMON (December
	44 LIGHT BROWN CLAY	. v) l	— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"
	53 COARSE SAND	"	PLANNED USES (×)
	72 SAND & CLAY		WATER SUPPLY
	85 COARSE SAND	15 Newoda 15	Domestic Public
	98 GREEN CLAY	15 1	irrigation Industrial
<del></del>	25 COARSE SAND	4 mile de	MONITORING
	32 BROWN CLAY	4mile to	CATHODIC PROTECTION
232 2	47 GREEN CLAY		HEAT EXCHANGE
	53 BROWN CLAY	]	DIRECT PUSH
253 2	61 GREEN CLAY		INJECTION
	72 COARSE SAND	<b>)</b>	VAPOR EXTRACTION
	88 GREEN CLAY	SOUTH -	REMEDIATION
	20 COARSE SAND	Illustrate or Describe Distance of Well from Roads, Bulldings, Pences, Rivers, etc. and stach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE,	OTHER (SPECIFY)
320 3	23 BLUE CLAY	HOCEMPTY. PLEASE BE ACCURATE & COMPLETE,	
323 3	26 COARSE SAND	WATER LEVEL & YIELD OF COMPL	ETED WELL
326 3	70 BLUE CLAY	DEPTH TO FIRST WATER (FL) BELOW SURFACE	Ē
370 3	80 COARSE SAND	DEPTH OF STATIC	
380 4	12 BLUE CLAY	WATER LEVEL (Ft.) & DATE MEASURED	
TOTAL DEPTH	OF BORING 870 (Feet)	ESTIMATED YIELD (GPM) & TEST TYPE	
	ÒZO.	TEST LENGTH (Hrs.) TOTAL DRAWDOWN	
TOTAL DEPTH	OF COMPLETED WELL 8/U (Feet)	May not be representative of a well's long-term yield	i

DEPT	Н	BORE-					C.	ASING (S)			DEPTH			ANNULAR MATERIAL			
FROM SUR	IFACE	HOLE DIA.		YPE				INTERNAL	GAUGE	ALOT NITE	F	FROM SURFACE					PE
Ft. to	Ft	(Inches)		SCREEN	Š	FILLPIPE	MATERIAL / GRADE	DIAMETER (Inches)	OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)		Ft. t	a Ft.	CE- MENT	BEN- TONITI (✓)	E FILL	FILTER PACK (TYPE/SIZE)
0	50	44"			V		STEEL	32*	3/8*			0.	50	1			8 SACK
0	200	32"	✓	L.	L.		STEEL	20 5/8"	5/16"			0	150	1			8 SACK
200	400	32"		~	L		STEEL	20 5/8*	5/16*	.050 FF		150	880			7	6 X 20
400	435	32"	~		L		STEEL	20 5/8"	5/16"	W/TAPER	Г						
+6	400	32"	~		Γ		STEEL	16 5/8"	5/16"						· ·		
400	430	32"					STEEL	16 5/8"	5/16*	MODDIM	_						<del></del>

<b>∸</b> ,	ATTAC	HMENTS	(4)

Geologic Log

\_\_ Other \_

Well Construction Diagram

- Soil/Water Chemical Analysis

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

 	<del></del> . ,	LEKIIFIL	AHUND	TATEMENT.	
 mandSt. March Aleda		-1	*- *- * <b>L</b> - <b>*</b>		4-41-

, ME Universigned, certify that this report is complete and accum.

NAME MYERS BROS, WELL DRILLING, INC.

(PERSON, FIRM, OR CORPORATION) (TYPED OR P

HANFORD CA 93230-4844 CITY STATE ZIF

07/22/04 DATE SIGNED 548214 C-67 LICENSE NUMBER DRILLER/AUTHORIZED REPRESENTATIVE

DWR 188 REV. 11-97

IF ADDITIONAL SPACEUS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

### DUPLICATE Driller's Capy

Owner's Well No. 8A

Permit No.\_

Page 2 of 2

STATE OF CALIFORNIA WELL **EPORT** 

	V,	LTFII	UN	- KI
efer	to	Instruction	Pomnik	fat -

№ E005952

Date Work Began <u>5/11/2004</u> Ended 7/17/2004 Local Permit Agency

- Permit Date

DWR USE ONLY	DO NOT FILL IN
STATE WE	LL NO./ STATION NO.
LATITUDE	
LATITUDE.	LONGITUDE
APN	VIRS/OTHER

		GEOLOGIC LOG				<del>BOTTLET</del>		
ODICUTATI	<b>0</b> 12.71		202222	—— WI	ELL OWNER -		·i	
OKIENIAIN	ON (Y.)	VERTICAL HORIZONTAL — ANGLE — (SPECIFY)						
DEPTH F	ROM	DRILLING REVERSE FLUID (SPECIFY)	Mailing Address 1	033 CHITT	ENDEN		<del></del>	
SURFAC		DESCRIPTION  Describe material, grain, size, color, etc.	CORCORAN			CA	93212	
412		BLUE CLAY CORCORAN		we	I. LOCATION	STATE	ZIP	
555		BLUE CLAY	Address NEVADA					
595		BLUE CLAY & SAND	City CORCORAN			·		
615		WHITE CLAY & SAND	County		<u>-</u>			
617		COARSE SAND	APN Book	Page	Parcel			
621		BLUE CLAY & SAND	Township	. Range	Section		<u> </u>	
632		COARSE SAND	Latitude	1	<u> </u>		<u> </u>	
636		BLUE CLAY	LOCA	TION SKET	гсн	DEG, MIN.	SEC.	
645		BLUE CLAY & SAND		NORTH		→ NEW W	ELL	
665		SAND SOME BLUE CLAY				MODIFICATIO	N/REPAIR	
670		BLUE CLAY				De	epen	
674		BLUE CLAY & SAND					har (Specify)	
705		SAND LITTLE BLUE CLAY				DESTRO	Y (Describe	
715		BLUE CLAY & SOME SAND				Procedur Under "G	DY (Describe se and Meterials SEOLOGIC LOG	
720		MEDIUM SAND				PLANNED	USES(∠)	
727	729	BROWN CLAY	ıs		<b>⊢</b>	WATER SUPP		
729		MEDIUM SAND	WEST		S.S.	Imagetion	Industrial	
734	755	BLUE CLAY				MOI	NITORING	
755	760	MEDIUM SAND					ST WELL	
760	797	BLUE CLAY				DATHODIC PRO		
797	008	MEDIUM SAND					XCHANGE	
800	838	BLUE CLAY					JECTION	
838	840	MEDIUM SAND					RACTION	
840	880	BLUE CLAY		SOUTH			PARGING	
			Illustrate or Describe Distan	see of Well from h	loads, Buildings,		EDIATION	
			Fences, Rivers, etc. and site necessary, PLEASE BE A	CCURATE &	COMPLETS.	U) HER (	SPECIFY)	
			WATER L	EVEL & YII	ELD OF COMPL	ETED WEL	[.	
			DEPTH TO FIRST WAT					
			DEPTH OF STATIC WATER LEVEL	·	•			
<del></del>	<u> </u>		ESTIMATED VICI F +	(rc) &	THE MEADURED		*	
TOTAL DEP	TH OF B	ORING 870 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN (FL)					
TOTAL DEP	TH OF C	OMPLETED WELL 870 (Feet)	May not be represen					
				MARKE OF IS WE	a iong-term yieu	-		

DEPTH FROM SURFA		BORE -			CASING (8)					DES	ANNULAR MATERIAL					
Ft. to F		BORE - HOLE DIA. (Inches)	BLANK	SCREEN	S C	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE FL to FL		1	BEN-	TY	PE FILTER PACK (TYPE/81ZE)
	570	28"	1				STEEL	16 5/8"	5/16"			50	(X)	(3)	( <del>\(\times\)</del>	8 SACK
<del></del>	850	28"		1	1_		STEEL	16 5/8"	5/16"	FF .050	0	150	1	<del>-</del>	<u> </u>	8 SACK
<u></u>	670   155	28"	4	L	L		STEEL	16 5/8*	5/16"		150	088			~	6 X 20
<del> </del>	100		_	ļ	_	1	BLK STEEL	3"								
<b>-</b>	-+		L	-	<b>↓</b> _	-										
				l	L	L. I		[		Į				}		

_	ATTACHMENTS	( <b>±</b> )
	*** * * * *	

Geologic Log

Geophysical Log(s)

 Geophysical Log(s)

..... Soll/Water Chemical Analysis

... Othar ... ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

Signed

I, the undersigned, certify that this report is complete and accurate to the best of my triowledge and belief.

MAME\_MYERS BROS. WELL\_DRILLING, INC.

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

8650 E. LACEYBUYD.

HANFORD

ADDRESS

CITY

WELL DRIVERVAUTHORIZED REPRESENTATIVE IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

CERTIFICATION STATEMENT

CA STATE

93230-4844 ZIP

07/22/04 DATE SIGNED 548214 C-57 LICENSE NUMBER

<sup>→</sup> Well Construction Diagram

### MYERS BROTHERS A PARTNERSHIP DIVERSIFIED FARMING 8650 E. LACEY BLVD. HANFORD, CA 93230-4844

Phone (559) 582-9031 Fax (559) 582-5744

CITY OF CORCORAN WELL 8A JULY 17, 2004

## NOTES: A. 50 L.F. 44" BOKE HOLE B. 50 L.F. 32" CONDUCTOR C. 50 L.F. 8 SACK MIX SEAL **/2**00' D. 820 L.F.32-28" BOREHOLE E. 200 L.F. 20 5/8 X 5/16OUTER CASING BLANK F. 200 L.F. 20 5/8 X 5/16 OUTER CASING PERF. .050FF G. 406 L.F. 16 5/8 X 5/16 INNER CASING BLANK H. 30 L.F. 16 5/8 X 5/16 INNER CASING WINDOWS I. 5 L.F. 20" to 16" TAPER SECTION J. 155 L.F. 16 5/8 X 5/16 BLANK CASING G K. 280 L.F. 16 5/8 X 5/16 PERF. CASING .050 F F L. 730 L.F. 6 X 20 GRAVE M. 155 L.F. 3" GRAVEL CHUTE GRAVEL PACK DDDD435'

## ENVIRONMENTAL



### ANALYTICAL CHEMISTS

September 14, 2004

City of Corcoran 1033 Chiltenden Corcoran, CA 93212 Lab ID : SP 408200-01 Customer ID: 2-21279

Sampled On: August 6, 2004-11:30 Sampled By: Jenifer McPhetridge Received On: August 11, 2004-09:30

Matrix : Ground Water

Description: City of Corcoran Well 8A Project: City of Corcoran Well 8A

### Sample Results - Inorganic

			- Itesures					
				) (CT	-	Preparation Date/ID	Sample Method	Analysis Date/ID
Constituent	Results	PQL	Units	MCL	Method	Date/ID	Wicthod	Date(15
General Mineral P:1,5,4						•		Į.
Total Hardness	20.0	2.5	mg/L		Calculation		Calculation	2011210004 401
Calcium	8	1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Magnesium	ND	1	mg/L	l 1	200.7	08/13/04:A203	200.7	08/13/2004:A01
Potassium	ND	1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Sodium	39	1	mg/L	ļ	200.7	08/13/04:A203	200.7	08/13/2004:A01
Total Cations	2.1		meq/L		Calculation		Calculation	
Boron	ND	0.1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Copper	ND	10	ug/L	1000²	200.7	08/13/04:A203	200.7	08/13/2004:A01
Iron	140	50	ug/L	300 <sup>2</sup>	200.7	08/13/04:A203	200.7	08/13/2004:A01
Manganese	20	10	ug/L	50²	200.7	08/13/04:A203	200.7	08/13/2004:A01
Zinc	ND	20	ug/L	5000 <sup>2</sup>	200.7	08/13/04:A203	200.7	08/13/2004:A01
Total Alkalinity (as CaCO3)	80	10	mg/L	}	2320B	08/12/04:A202	2320B	08/12/2004:A01
Hydroxide	ND	10	mg/L		2320B	08/12/04:A202	2320B	08/12/2004:A01
Carbonate	ND	10	mg/L		2320B	08/12/04:A202	2320B	08/12/2004:A01
Bicarbonate	100	10	mg/L	-	2320B	08/12/04:A202	2320B	08/12/2004:A01
Sulfate	10.	1	mg/L	500 <sup>2</sup>	300.0	08/11/04:B215	300.0	08/12/2004:A09
Chloride	12	1	mg/L	500 <sup>2</sup>	300.0	08/11/04:B215	300.0	08/12/2004:A09
Nitrate	ND	0.4	mg/L	45	4500NO3F	08/18/04:A220	4500NO3F	08/18/2004:A01
Nitrate	112					13:20		13:11
Nitrite as N	ND	0.1	mg/Ļ	1	300.0	08/11/04:B215	300.0	08/12/2004:A09
Nime as N	IND	0.1	Ing, L	1		18:00	1	09:50
Fluoride	0.4	0.1	mg/L	2	300.0	08/11/04:B215	300.0	08/12/2004:A09
li .	2.2	0.1	meq/L	1 ~	Calculation		Calculation	1
Total Anions	8.2		units		4500-H B	08/11/04:A246	4500-H B	08/11/2004:A0
pН	0.2		units	1	4300 II B			17:20
Specific Conductores	222	1	umhos/cm	1600²	2510B	08/12/04:A212	2510B	08/12/2004:A0
Specific Conductance Total Dissolved Solids	170	40	mg/L	1000	II .	08/12/04:A235	2540 C,E	08/13/2004:A00
11	ND	0.1	mg/L	$0.5^{2}$	5540C	08/11/04:A218	5540C	08/11/2004:A0
MBAS (foaming agents)	עאו	0.1	mg/L	0.5	33400	15:15		15:34
A a grangi uppose Index	11.4	1.0	mg/L		Calculation		Calculation	n
Aggressiveness Index	-0.4	1.0	mg/L		Calculation		Calculatio	n
Langlier Index	j -0.4	1.0	IIIB/L		Calculation	<u> </u>		

Table continued next page...

SP 408200: Chemical Results Page 1

september 14, 2004 City of Corcoran

Lab ID

: SP 408200-01

Customer ID: 2-21279

Description: City of Corcoran Well 8A

### Sample Results - Inorganic

Constituent   Re	sults	PQL	Units	MCL	Method	Preparation Date/ID	Method	e Analysis Date/ID
Metals, Diss P:1 Aluminum Antimony Arsenic Barium Beryllium Cadmium Chromium Lead Mercury Nickel Selenium Silver	ND ND 0.040 0.0339 ND ND ND 0.0013 ND 0.002 ND ND ND ND ND	0.01 0.001 0.002 0.0002 0.0002 0.0001 0.0002 0.001 0.002 0.001 0.0002 0.001	mg/L mg/L mg/L mg/L		200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8	08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204 08/12/04:E204	200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 245.1 200.8 200.8 200.8 200.8	08/12/2004:A11 08/12/2004:A11 08/12/2004:A11 08/12/2004:A11 08/13/2004:B03 08/12/2004:A11 08/12/2004:A11 08/12/2004:A11 08/16/2004:A02 08/12/2004:A11 08/12/2004:A11 08/12/2004:A11 08/12/2004:A11 08/12/2004:A11

ND=Non-Detect. PQL=Practical Quantitation Limit. • PQL adjusted for dilutions, concentrations, dry weight reporting, or limited sample.

MCL = Maximium Contaminat Level. <sup>2</sup> - Secondary Standard.

Preservatives: (1) Cool 4°C, (5) HNO3 pH < 2, (4) H2SO4 pH < 2 Containers: (P) Plastic

### ENVIRONM NTAL



### ANALYTICAL CHEMISTS

September 14, 2004

City of Corcoran 1033 Chiltenden Corcoran, CA 93212 Lab ID : SP 408200-01 Customer ID: 2-21279

Sampled On: August 6, 2004-11:30 Sampled By: Jenifer McPhetridge Received On: August 11, 2004-09:30

Matrix : Ground Water

Description: City of Corcoran Well 8A Project: City of Corcoran Well 8A

### Sample Results - Radio

Constituents	Result ± Error	Units	MCL	Pro Method	eparation Date/ID	Method	Analysis Date/ID
Radio Chemistry P:1 Gross Alpha	5.12 ± 1.19	pCi/L	15*	900.0	09/01/04:A207	900.0	09/09/2004:A01

MCL = Maximium Contaminat Level. Containers: (P) Plastic Preservatives: (1) Cool 4°C

\* Including Radium but excluding Uranium. (Ref. Title 22 sec. 64441.)

## Wetlab Results ARF: 45076

APPL Inc.

4203 West Swift Avenue

Fresno, CA 93722

Kenneth D. Schmidt & Assoc. 600 West Shaw Avenue Suite 250 Fresno, CA 93704

Attn: Cheryl Lassotovitch

				· · · · · · · · · · · · · · · · · · ·		
Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: A	P73539 -Client Sample II	D: City of Corcoran Well 8A -Sample	Collection Date: 0	8/06/04	Project: City of	of Corcoran Well
EPA 150.1	pΉ	8.5 @ 21.5	N/A	pH Units	08/06/04	08/06/04
EPA 180.1	Turbidity	1.8	0.10	NTU	08/06/04	08/06/04
EPA 425.1	MBAS	Not detected	0.02	mg/L	08/06/04	08/06/04
SM 2120B	Color	5.0	1.0	UNITS	08/06/04	08/06/04
SM 2150B	Odor	Not detected	1.0	T.O.N.	08/06/04	08/06/04

Printed: 11/03/05 11:19:21 AM

	Angles (1907) - San Angles (1908) - Angles (19
DUPLICATE SCUT to T. @ Quil KNOP! 4	2 Ωω K
BANGE OF CA	LIFORNIA DWR USE ONLY - DO NOT FILL IN -
Page of Page I o	TION REPORT
	395719
Date Work Began 7-7-2-04 Ended 10-21-04	LATITUDE LONGITUDE
Local Permit Agency Ciry of Concard	
Permit No. OFOLOGIC LOG	APN/THE/OTHER
ORIENTATION (=) VERTICAL HORIZONTAL ANGLE	Name City of Corrary
DEPTH FROM METHOD LOUPISE Kately FLUID GOLDAN	
SURPACE  DESCRIPTION  Fig. 10 Ft. Describe material, grain size, color, etc.	GITY OF (OFD) (9 9.3212
3 50 Clay 15000	Address My m. /e First of Acation State
50 133 Fre to med Sand	City Coccood
102 132 1 Bandy (101)	County ting s
120125 Fine to medical Sound	APN Book Puge Purcel
135 165 Sandy Class	Township 215 Range 228 Section 2 H
165 177 Sand	DEG. MIN. SEC.
143703 5111	LOCATION SKETCH ACCEPTITY (2)
203732 Olive clay w/ Stronts of 5 and	MODIFICATION/AEPAIR
737 749 Medium to coal se sould	Wevadu Ave Despen Other (Specify)
149 48/2 Blue gley (by with into tant Sound	DESTROY (Omedita
557 572 \ M di	E C DESTROY (Deecribe Procedure and Mearlely Under CaeCologic Logy)
572 592 Blue - 4104 Chy	WATER SUPPLY
577 683 Sand	Domestilo Public
708716 Five to mediate &	MONTORING Industriei
7/16 1723 (10 4	TEST WELL
773 145 Sand	CATHODIC PROTECTION
745 753 (/44	DIRECT PUBH
733 1777 Medium to Con/Sc Sand	INJECTION
790 410 Fine to morling Saper little (last	SPARGING
1111 : 329 : Sandy Clay	Illustrate or Devorible Distance of Well from Reads, Buildings, Foncts, Rivers, etc. and attach a map. Use additional paper if necessary, PLEASE BE ACCURATE & COMPLETE.
974: 649 Medium to (04/40 Gand & glave)	WATER LEVEL & YIELD OF COMPLETED WELL
363 761 medium to cooks 5000	DEPTH TO FIRST WATER NA (FL) BELOW SURFACE
tal 900 (14 y	DEPTH OF STATIC
900 1910 · Clay W/SOMP FINE SAND	WATER LEVEL 148 (FI.) & DATE MEASURED 10-21-04 ESTIMATED VIELD , 2600 (GPM) & TEST TYPE CONSTANT Rate
TOTAL DEPTH OF BORING 910 (Foot)  TOTAL DEPTH OF COMPLETED WELL 890 (Feet)	TEST LENGTH 24 (His.) YOTAL DRAWDOWN 165 (FL)
	* May not be representative of a well's long-torm yield.
FROM SURFACE BORE- TYPE (2)	
DIA. THE MATERIAL / INTERNAL GAUGE	SLOT BIZE FROM SURFACE TYPE
FL ID FI. B S S E (Inches) THICKNESS	(Inches) FL to PL MENT TONITE FILL FILTER PACK
0 50 46 V A5361B 35/4 375	O(175 V)
730 485 34 V HGLA 2019 312	175 180
500 505 74 / 1144 4 7 7 7	190 910 V 6x20 (a) 5il
505 890 28 V H31 A 16 312	
ATTACHMENTS (=) HSLA FF 16 1313	.Obo Jul Wilder Section
	report is complete and accurate to the beet of my knowledge and bellef.
- Woll Construction Diagram   NAME ZIM TWILLS	trips TNC
Geophysical Log(s) (FERSON, FIRM, OR COMPORATION) TY	PEO OR PRINTED)
— 90li/Water Chamical Analyses — Other	IN FIRSUD (4 93735)
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.   Signed Albert ) him	STATE THE STATE WHO CZD
C-57 VICENSED WATER WELL CONTRACT	DATE SIGNED C-57 INFERENCE

### Wet Lab Analysis

Kenneth D. Schmidt & Assoc. 600 West Shaw Avenue Suite 250 Fresno, CA 93704 APPL Inc. 4203 West Swift Avenue Fresno, CA 93722

Attn: Cheryl Lassotovitch

St

Project: City of Corcoran Well 9A

Sample ID: City of Corcoran Well 9A

Sample Collection Date: 10/28/04

**APPL ID: AP77813** 

ARF: 45790

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 180.1	Turbidity	0.23	0.10	NTU	10/29/04	10/29/04
EPA 425.1	MBAS	Not detected	0.02	mg/L	10/29/04	10/29/04
SM 2120B	Color	18.0	1.0	UNITS	10/29/04	10/29/04
S⋈ 2150B	Odor	Not detected	1.0	T.O.N.	10/29/04	10/29/04

November 18, 2004

Lab ID

: SP 411470-01

Kenneth D. Schmidt & Associates

Customer ID: 2-6051 Description: City of Corcoran Well 9A

### Sample Results - Inorganic

Constituent	Results	PQL.	Units	MCL	Sample Method	Preparation Date/ID	Sampl Method	e Analysis Date/ID
Metals, Diss P:1			<del></del>					=
Aluminum	ND	0.01	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Antimony	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/09/2004:A01
Arsenic	0.031	0.002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Barium	0.0207	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Beryllium	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Cadmium	ND	0.0002	mg/L	i	200.8	11/05/04:A204	200.8	11/05/2004:A05
Chromium	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Lead	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/09/2004:A01
Mercury	0.00003	0.00002	mg/L		7470A	11/09/04:A212	245.1	11/11/2004:B04
Nickel	ND .	0.001	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Selenium	ND	0.002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Silver	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Thallium	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Vanadium	ND	0.002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05

ND=Non-Detect. PQL=Practical Quantitation Limit. • PQL adjusted for dilutions, concentrations, dry weight reporting, or limited sample. MCL = Maximium Contaminat Level. <sup>2</sup> - Secondary Standard.

Preservatives: (1) Cool  $4^{\circ}$ C, (5) HNO3 pH < 2, (4) H2SO4 pH < 2 Containers: (P) Plastic





### ANALYTICAL CHEMISTS

November 18, 2004

Kenneth D. Schmidt & Associates

600 West Shaw Avenue, #250

Fresno! CA 93704

Lab ID : SP 411470-01

Customer ID: 2-6051

Sampled On: October 29, 2004-13:30 Sampled By: Cheryl Lassotovitch

Received On: November 3, 2004-10:00

Matrix : Ground Water

Description: City of Corcoran Well 9A Project: City of Corcoran Well 9A

### Sample Results - Radio

Constituents	Result ± Error	Units	MCL	Pro Method	eparation Date/ID	Method	Analysis Date/ID
Radio Chemistry P:1 Gross Alpha	3.32 ± 1.02	pCi/L		900.0	11/05/04:A207	900.0	11/09/2004:A01
Uranium	$0.611 \pm 0.672$	pCi/L		908.0	11/08/04:A218	908.0	11/11/200

MCL = Maximium Contaminat Level. Containers: (P) Plastic Preservatives: (1) Cool 4°C

\* Including Radium but excluding Uranium. (Ref. Title 22 sec. 64441.)

SP 411470: Chemical Results Page 3

Field Office
Visalia, California
TEL: (559) 734-9473
FAX: (559) 734-8435
Mobile: (559) 737-2399





### ANALYTICAL CHEMISTS

November 18, 2004

Kenneth D. Schmidt & Associates 600 West Shaw Avenue, #250

Fresno, CA 93704

Customer ID: 2-6051
Sampled On: Octobe

Lab ID

Sampled On: October 29, 2004-13:30 Sampled By: Cheryl Lassotovitch

: SP 411470-01

Received On: November 3, 2004-10:00

Matrix : Ground Water

Description: City of Corcoran Well 9A Project: City of Corcoran Well 9A

### Sample Results - Inorganic

			•		Sample	Preparation	Sampl	e Analysis
Constituent	Results	PQL	Units	MCL	Method	Date/ID	Method	Date/ID
General Mineral P:1,5,4								
Total Hardness	25.0	2.5	mg/L		Calculation		Calculation	
Calcium	10	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Magnesium	ND	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Potassium	ND	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Sodium	44	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Total Cations	2.4		meq/L		Calculation		Calculation	
Boron	0.1	0.1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Copper	ND	10	ug/L	1000²	200.7	11/09/04:A203	200.7	11/09/2004:A02
Iron	ND	50	ug/L	300 <sup>2</sup>	200.7	11/09/04:A203	200.7	11/09/2004:A02
Manganese	30	10	ug/L	50 <sup>2</sup>	200.7	11/09/04:A203	200.7	11/09/2004:A02
Zinc	ND	20	ug/L	5000 <sup>2</sup>	200.7	11/09/04:A203	200.7	11/09/2004:A02
Total Alkalinity (as CaCO3)	90	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Hydroxide	ND	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Carbonate	ND	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Bicarbonate	120	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Sulfate	12	1	mg/L	500 <sup>2</sup>	300.0	11/03/04:A215	300.0	11/04/2004:A03
Chloride	12	1	mg/L	5002	300.0	11/03/04:A215	300.0	11/04/2004:A03
Nitrate	ND	0.4	mg/L	45	4500NO3F	11/10/04:A220	4500NO3F	11/10/2004:F01
				1		12:05	ļ ·	15:24
Nitrite as N	ND	0.1	mg/L	1	300.0	11/03/04:A215	300.0	11/04/2004:A03
						19:00	1	02:41
Fluoride	0.6	0.1	mg/L	2	300.0	11/03/04:A215	300.0	11/04/2004:A03
Total Anions	2.6		meq/L		Calculation		Calculation	
pH	8.5		units		4500-H B	11/03/04:A246	4500-Н В	11/03/2004:A01
1				į l				19:44
Specific Conductance	245	1	umhos/cm	1600²	2510B	11/04/04:B212	2510B	11/04/2004:A01
Total Dissolved Solids	160	40	mg/L	1000²	2540C	11/04/04:A235	2540 C,E	11/05/2004:A00
MBAS (foaming agents)	ND	0.1	mg/L	0.52	5540C	11/03/04:A218	5540C	11/03/2004:A01
			J			19:00		19:40
Aggressiveness Index	11.9	1.0	mg/L		Calculation		Calculation	
Langlier Index	0.0	1.0	mg/L		Calculation		Calculation	

Table continued next page...

SP 411470: Chemical Results Page 1

Field Office
Visalia, California
TEL: (559) 734-9473
FAX: (559) 734-8435
Mobile: (559) 737-2399

ALPAUGH JPA

ORIGINAL File with DWR		STATE OF CALIF WELL COMPLETION		T 330	U 3 IE	1-1314
Page of		Refer to Instruction	Pamphlet		ATE WELL NO	JSTATION NO.
Owner's Well No.	_14	No. 109	95876			
Date Work Began_		nded 7-27-04	• -	LATITUDE		LONGITUDE
Local Permit Age	ency Tulare Co	unty ENVIC Heal	<i>t</i> 1		APN/TRS/	OTHER
Permit No	CEOLOGIC LO	Permit Date 6-70-0	4 (2)	WELL O		
ORIENTATION (∠)			Name Alpa	wall to let	Down	ers Authority
ONIENTATION (E)	DRILLING REVESSE	<b>,</b> , —, , , , , , , , , , , , , , , , ,		40 262	7-000	12 7101401109
DEPTH FROM SURFACE	DES	CRIPTION	APAU	above	Co	93201
Ft. to Ft.		l, grain size, color, etc.	SOLAT A	WEEL/LO	CATION—	STATE ZÍP
0 10	Silt, saway	Clay (10)	Address My A	leely Rd	1/4	burch Ave
17 74	Brown clay	(water)	City HIPQU			
34 36	Sould Clay		County T July APN Book 3)	Page 120	<del>7</del>	<u>,</u>
36 40	Sticky provide	Jan Comment	Township 23		Section 3	<i>y</i>
40 43	Sand AV	ZOUNT	13/20 L		ong	, w
4345	gray Clay		DEG. MI	N. SEC. ATION SKETCH -	DE	G. MIN. SEC.  ACTIVITY (\(\perceq\))
45 47	Sand			- NORTH		NEW WELL
47 60	Sandy Clay					MODIFICATION/REPAIR
10 710	FINE SANGE	Clay	1			Deepen Other (Specify)
710 210	5 14 Claule	Fine Sand				
310 430	Sand & SIF	Plan				DESTROY (Describe     Procedures and Materials     Under "GEOLOGIC LOG")
430 447	Silturitary	Clark	1	Aye 54		USES (∠)
440 620	Bive Clay (	COSLOSAW day		ذين		WATER SUPPLY
620 660	Sand 8 15:11	y Clay	F -31	<u>&amp;</u>		Domestic Public Industrial
660 690	Blue 19 My	clay	WEST S	υο' - X	EAST	MONITORING
690 130	FINE SANOS	51/ty clay	0	70-10	_	TEST WELL
770 (7/0)	311ty Clay	1/2/	3			CATHODIC PROTECTION
CID GZD	Siltudedul.	140	Ž	Church		DIRECT PUSH
930 9/0	FINE SONA	8 53/4	1			INJECTION
960 1020	Blue aray	Clav			}	VAPOR EXTRACTION SPARGING
1020 1/20	Five 5and 8	Clab	Illustrate or Describe I	SOUTH ————————————————————————————————————	s. Buildings	REMEDIATION
1120 1140	511+ 4 clay		Fences, Rivers etc. and necessary, PLEASE BI	l attach a map. Use addition E ACCURATE & COMPI	nal paper if ETE.	OTHER (SPECIFY)
1140 1190	Sandy SIAT	4 5/44		LEVEL & YIELD		ETED WELL
1140 1120	Med Dand	little clay	1	ATER		
1220 1245	Bive gray-	C144 /				
			WATER LEVEL	7/4,75 <sub>(FL) &amp; DATE</sub>	MEASURED _	1-26-04
TOTAL DEPTH OF H	BORING 1245 (Feet)			1050 (GPM) & T		
TOTAL DEPTH OF C	COMPLETED WELL 12	30 (Feet)		sentative of a well's long		<b> /</b> (Ft.)
			7	, , , , , , , , , , , , , , , , , , ,		
DEPTH FROM SURFACE	BORE- HOLE TYPE (∠)	CASING (S)		DEPTH FROM SURFACE	ANN	ULAR MATERIAL
		MATERIAL / INTERNAL GAUGE		PHOM SUNFACE	CE- BEN-	TYPE
FI. to Ft.	SCREEN (Inches)	GRADE DIAMETER OR WAI		Ft, to Ft.	MENT TONITE	I (TYPE/SIZE)
0 50		5361B 313/8 315		0 50		(≤)
0 1230	76 V H	SLA 1378 37		0 975	1/	<del>                                     </del>
10051025	26 V H	SLA 1374 375	I Samuel Color	975 980	V	
1025 1085	26 V F	F Louves 14 312		980 1245		V 8x20 601511
1160 1210	26 V F	F Laurer 14 , 312	050			
3 3		rel 5,40 3 325	m Pialid Ad	i		
	IMENTS (∠)	I, the undersigned, certify that t		HON STATEMENT and accurate to the	pest of my k	nowledge and helief
Geologic	-		1 ,	wc.		
ļ	struction Diagram Ical Log(s)	(PERSON, FIRM, OR CORPORATION)	(TYPED OR PRINTED)	,v.C.		
!	er Chemical Analyses	4545 E Li	WOON	Fresmo	6	93725
Other		ADDRESS	7	CITY		STATE ZIP
i	NFORMATION, IF IT EXISTS.	Signed Kuch	mmen	<u> </u>	-26-04	1 440537
L		C-57 LICENSED WATER WELL CON	ITACIUK	DAT	E SIGNED	C-57 LICENSE NUMBER



KENNETH D. SCHMIDT AND ASSOC. 3701 PEGASUS DRIVE.,SUITE 112 BAKERSFIELD, CA 93308 Attn: JIM ANGELL

# Water Analysis (General Chemistry)

				•	1					,				
COC Number	-							<u> </u>	Receive	Receive Date/Time		07/27/2004 @ 14:15	14:15	
Project Number	1							0)	amplin	Sampling Date/Time		07/27/2004 @ 09:20	09:50	
Sampling Location								(I)	Sample Depth	Depth	_ i			-
Sampling Point	ALPAUGH JPA	JPA						S	Sample Matrix	Matrix		Drinking Water	-	
Sampled By	JENIFER N	JENIFER MCPHETRIDGE	3E					E	SCL Sar	BCL Sample ID	0	04-07685-1		
						Prep		Run		Institut		90	MB	Lab
Constituent	Result	Units	Pol	202	Method	Date	Run Date Time		Analyst	Analyst ment ID Dilution Batch ID	Dilution	Batch ID	Blas	Quals
Total Recoverable Calcium	10	mg/L	0.05	0.011	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	9	
Total Recoverable Magnesium	1.8	mg/L	0.05	0.0063	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	2	
Total Recoverable Sodium	99	mg/L	0.5	0.031	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	9	
Total Recoverable Potassium	2.6	mg/L	1	0.071	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	+	385-101378	9	
Total Cations	3.67	med/L	0.1		Calculated									
Hydroxide	< Pa∟	mg/L	0.81	0.81	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BDB	-	283-101376	2	
Carbonate	14	mg/L	1.5	1.5	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BOB	-	283-101376.	2	
Bicarbonate	180	mg/L	2.9	2.9	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BDB	1	283-101376	Ð	
Sulfate	< PQL	mg/L	-	0.098	EPA-300.0	07/27/04	07/27/04	20:03	ES1	Σ	1	268-103088	QN	
Chloride	8.8	mg/L	0.5	0.061	EPA-300.0	07/27/04	07/27/04	20:03	ES1	ភ	1	268-103088	ΩN	
Nitrate as NO3	< PQL	mg/L	0.44	0.069	EPA-300.0	07/27/04	07/27/04	20:03	ES1	121	1	268-103088	9	
Fluoride	0.82	mg/L	0.05	0.0063	EPA-300.0	07/27/04	07/27/04	20:03	ES1	121	٦	268-103088	2	-
Total Anions	3.66	med/L	0.1		Calculated				-					
Hd	8.33	pH Units	0.05	0.05	EPA-150.1	07/29/04	07/29/04	08:30	JSM	B360	1	257-101918		
Electrical Conductivity @ 25 C	336	umhos/cm	-	-	EPA-120.1	07/29/04	07/29/04	08:30	JSM	CND-3	1	196-101751		
Total Dissolved Solids @ 180 C	218	mg/L	20	10	EPA-160.1 07/30/04	07/30/04	07/30/04	19:30	MV1	MANUAL	2	284-102531	S	
Color	20	Color Units	_	-	EPA-110.2	07/28/04	07/28/04	06:55	JSM	MANUAL	-	193-100515		
Odor		Odor Units	-	-	EPA-140.1	07/28/04	07/28/04	06:55	NSC	MANUAL	<b>-</b>	256-100465	No Obs Odor	
Turbidity	2.7	NT Units	0.1	0.1	EPA-180.1	07/28/04	07/28/04	06:55	JSM	T2100	-	262-100988		
MBAS	< PQL	mg/L	0.1	0.04	EPA-425.1	07/28/04	07/28/04	11:00	CEH	SPEC05	2	235-100801	QN	A01
Hardness as CaCO3	32	mg/L	0.5		SM-2340B									
Alkalinity as CaCO3	170	mg/L	2.5	2.5	EPA-310.1	07/29/04	07/29/04 08:10	08:10	NSC	BDB	<b>-</b>	283-101376	9	

## $\langle BC \rangle$ Laboratories, Inc

# Water Analysis (General Chemistry)

Sample Description	ALPAUGH	ALPAUGH JPA, 07/27/2004 (	7/2004 @ 0	9:20, JEN	209:20, JENIFER MCPHETRIDGE	PHETRID	GE							
Constituent	Result	Result Units PQL		MDL	Method	Prep Date	Run Date	Run Time	nalyst	Instru- ment ID	Dilution	Mothod   Date   Run Date   Time   Analyst   ment ID   Dilution   Batch ID	MB Bias (	Lab Quals
Langlier Index	+0.05	•			Calculated									
Total Cyanide	< PQL	mg/L	0.02	0.0063	0.0063 EPA-335.3 07/29/04 07/30/04 05:20 MRM2 AAII-1	07/29/04	07/30/04	05:20	MRM2	AAII-1	1	216-100926	Q	
Nitrite as N	< PQL	ng/L	20	10	EPA-353.2 07/28/04 07/28/04 15:20 PDL KONE-1	07/28/04	07/28/04	15:20	PDL	KONE-1	1	390-100474	ND	
Hydrogen Sulfide (H2S)	< PQL	mg/L	0.1		Calculated									
Dissolved Sulfide	< PQL	mg/L	0.1	0.050	0.050   EPA-376.2   07/29/04   07/29/04   04:15   MRM2   SPEC05   1	07/29/04	07/29/04	04:15	MRM2	SPEC05		241-100568	ND	

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Comments	
The Langlier In	The Langlier Index Indicates the tendency to deposit CaCO3.

California DOHS Certification #1186



KENNETH D. SCHMIDT AND ASSOC. 3701 PEGASUS DRIVE., SUITE 112 Attn: JIM ANGELL BAKERSFIELD, CA 93308

# Water Analysis (Metals)

			5		arol I unaly old (informity			<b>`</b>						
COC Number								œ	eceive	Receive Date/Time		07/27/2004 @ 14:15	14:15	
Project Number	1							ဟ	amplin	Sampling Date/Time		07/27/2004 @ 09:20	09:50	
Sampling Location	- [							S	Sample Depth	Depth	-			
Sampling Point	ALPAUGH JPA	PA						S	Sample Matrix	Matrix		Drinking Water		
Sampled By	JENIFER MCPHETRIDGE	CPHETRIC	GE					æ	BCL Sample ID	nple ID	J	04-07685-1		
Constituent	Result	linits	POI	IUN	Method	Prep	Run Dato Timo Amoleca	Run	Analizat	Instru-		ac.		ap
Dissolved Silicon as SiO2	34000	ng/L	200	17	EPA-6010	0	08/03/04	17:58	ARD		1	385-101381	ND	Guais
Total Recoverable Aluminum	< PQL	∏/6n	50	14	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	-	385-101378	9	
Total Recoverable Antimony	^ PQL	ug/L	2	0.25	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	-	352-101462	9	
Total Recoverable Arsenic	48	ng/L	2	0.77	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	-	352-101462	9	
Total Recoverable Barium	38	ng/L	9	0.94	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	<b>,</b> -	385-101378	2	
Total Recoverable Beryllium	< PQL	ng/L	-	0.018	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1		352-101462	9	
Total Recoverable Boron	220	ng/L	100	7.4	EPA-200.7	EPA-200.7 07/29/04	08/03/04 14:57	14:57	ARD	PE-OP2	-	385-101378	2	
Total Recoverable Cadmium	< PQL	ng/L	-	0.012	* EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	QN ON	
Total Recoverable Chromium	< PQL	ug/L	9	0.44	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	-	385-101378	Ð	
Total Recoverable Copper	< PQL	ng/L	9	0.87	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	-	385-101378	Ð	
Total Recoverable Iron	19	ng/L	20	2.1	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	-	385-101378	9	
Total Recoverable Lead	< PQL	ng/L	-	0.027	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	-	352-101462	ON.	
Total Recoverable Manganese	64	ng/L	9	0.31	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	OZ.	
Total Recoverable Mercury	< PQL	√J/gn	0.2	0.050	EPA-245.1	EPA-245.1 07/28/04	07/29/04	16:15	JEE2	CETAC1	-	215-101361	ΩN	
Total Recoverable Nickel	< POL	ng/L	9	2.3	EPA-200.7	EPA-200.7 07/29/04	08/03/04 14:57	14:57	ARD	PE-OP2	-	385-101378	ND	
Total Recoverable Selenium	22	ng/L	2	0.34	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	-	352-101462	ON.	
Total Recoverable Silver	< PQL	ug/L	10	1.2	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	-	385-101378	ND	
Total Recoverable Thallium	1.6	ng/L	-	0.045	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	-	352-101462	ON.	
Total Recoverable Zinc	< PQL	ng/L	20	5.4	EPA-200.7	07/29/04	08/03/04 14:57	14:57	ARD	PE-OP2	-	385-101378	QN	

### TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES



Established 1931

### REPORT

14201 FRANKLIN AVENUE TUSTIN, CALIFORNIA 92780-7008 (714) 730-6239 · FAX (714) 730-6462 www.truesdail.com

Client: BC Laboratories

4100 Atlas Court

Bakersfield, CA93308

Attention: W.Underwood

Report Date: August 13, 2004

Date Received: July 30, 2004 Laboratory No: 933500

Sample: Water/1

Investigation: Gross Alpha Analysis

**Analytical Results** 

Sample ID:	Method	Activity pCi/L	Two Sigma Error	MDA pCi/L	Date Analyzed
04-07685-1	SM7110C	2.81	+/- 0.96	1.12	08/12/04



Respectfully súbmitted,

TRUESDAIL LABORATORIES, INC.

Rossina TomoVa, Project/Manager

Radiochemistry Group

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